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Environmental Impact Analysis Process

Final Environmental Impact Statement

Part IIB

Proposed Central Radar Station
Over-the-Horizon Backscatter Radar Program
May 1987



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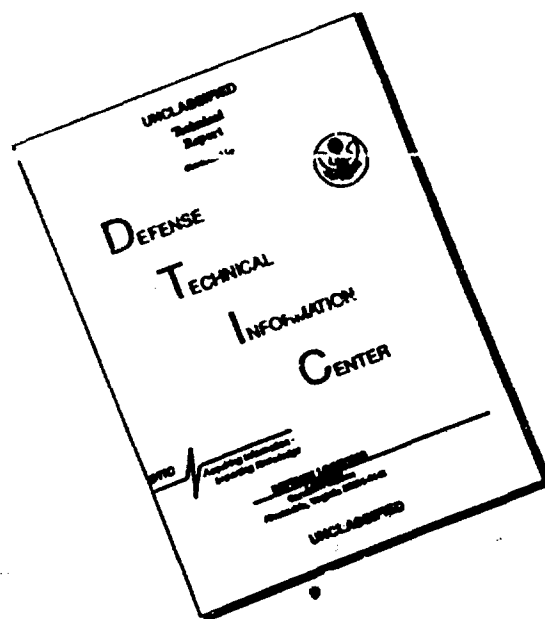
DEPARTMENT OF THE AIR FORCE
AIR FORCE SYSTEMS COMMAND
ELECTRONIC SYSTEMS DIVISION

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**Air Force
Environmental Planning Division
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16 JUL 93

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Jack Bush, GOM-14

Mr. Jack Bush
Special Projects and Plans
703-697-2928
DSN 227-2928

COVER SHEET

- (a) Responsible Agency: U.S. Air Force
- (b) Proposed Action: Construction and operation of the Central Radar System, an Over-the-Horizon Backscatter (OTH-B) radar system that would be located in the north central region of the U.S.
- (c) Responsible Individual: Lt. V. G. Brown
ESD/SYO
Hanscom AFB, MA 01731
(617) 271-5360
- (d) Designation: Final Environmental Impact Statement (FEIS)
- (e) Abstract: This document describes the probable environmental impacts of constructing and operating a new surveillance and tracking radar that operates in the High-Frequency band of the electromagnetic spectrum. The radar system would consist of four very large transmit antenna arrays located in either northeastern South Dakota or west-central Minnesota, four larger receive antenna arrays located in either eastern North Dakota or northwestern Minnesota, and an operations center proposed for Grand Forks Air Force Base, North Dakota. Four areas were considered for the transmit arrays, five areas for the receive arrays, and one site for the operations center. Potential significant physical and biological impacts can be avoided or minimized by careful selection of the transmit and receive sites. The key environmental concerns are erosion in areas where substantial grading would be required, interruption of water courses and drainage patterns, disturbance of migratory bird habitat, and the potential for birds colliding with the antennas. Moderate economic stimulation of local economies would result from construction activities, but the benefits of continuing operations would be small. Electromagnetic interference with telecommunication systems is unlikely. No reliable evidence exists that chronic exposure of humans to the radiofrequency radiation levels outside the exclusion fence surrounding the transmit site is likely to be harmful.
- (f) Released to the public May 22, 1987.

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Part I (Bound Separately)

Draft Environmental Impact Statement (August 1986)

Part II*

Public Comments and Air Force Responses

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4 COMMENTS

This section contains written comments that were submitted at the public hearings or subsequently by mail. At the public hearings, comment sheets were distributed to all attendees to determine whether they wished to ask a question, offer oral comments, submit a written statement, or receive a copy of the EIS. The form provided space in which to write comments for inclusion in the Final EIS. Most comment sheets received were submitted at the hearings; some were sent later by mail. Other correspondence with comments or questions or offering information was also received.

The written comments and letters are reprinted here in two subsections. In the first, in place of reproducing the entire form, remarks submitted on the comment sheets have been extracted, along with their author's identity. These comments are grouped according to the hearing at which they were submitted. Forms that were submitted without comments were made a part of the Environmental Impact Analysis Process (EIAP) file, but no information (e.g., the name of the individual) was extracted for inclusion in the Final EIS.

Letters received are reprinted in their entirety in the second part of this section, in approximate order of receipt. They are grouped to correspond to four geographic areas (North Dakota; West Central Minnesota; South Dakota; and Northwestern Minnesota). Letters from state and national agencies and organizations are grouped separately.

Responses to questions or issues raised in the public comments, whatever their source, appear in Section 5. The responses are of two types. General responses (identified by the letter G preceding a number) were prepared to address, in a comprehensive way, the various aspects of certain topics that drew many comments. Letters that comment on those topics are annotated at the top of the first page for reference. Additional comments for which specific responses have been prepared are numbered in the right hand margin of this section.

ENCLOSURE 1

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4.1 Comment Sheets

4.1.1 Grand Forks, North Dakota

George W. Kerestes

815 Duke Drive #213, Grand Forks, MD 58201

I am interested in offering my services in whatever way I may help. My background is the Sciences, Master's degree in Administration and Supervision, at present semi-retired. Thank you.

Marvina Honea

2615 5th Avenue W., Grand Forks, MD 58201

The most important crop is a race of healthy men and women. Defense spending needs to come to an end. PGS (Priceless Economic System) will take care of that.
There is too much uncontrollable radiation already.

Helen M. Vinje

Box 29, Clifford, MD 58016

The loss of revenue is of great importance to our small schools in our area. I understand that any land purchased will cease to produce taxes for our schools. Most acreage in our area is of the best producing land. My impression of world conditions leads me to object to taking extended acreage out of production.

Is it possible that we can believe in what the USAF says when said organization has denied the existence of UFOs?

Lloyd Putney

Route 1, Box 207, Bismarck, MD 58501

I am in favor of locating this system in W.D. I have reason to believe that it will interface nicely with our Defense Systems already in place in W.D. both economically and environmentally. We as ironworkers in this Great State of MD welcome the Air Force and this Backscatter Radar System and the jobs and economic values that it brings to W.D. Myself and my members feel that this can be accomplished with a minimum impact on our environment.

Grand Forks

1

Dwight Garrett

RR 2, Box 28, Mayville, MD 58257

Garth Garrett, my father, has land in the Blanchard receiving site that would be available to the government for such use.

Herbert D. Helte, Jr.

Route #1, Aneta, MD 58212

Why is the Backscatter to be situated here? Why must it be here in North Dakota? Must North Dakota give up 2,400 acres of land again?, as we have already the missiles and the air bases.

What weight does the Public Comment have in relation to this project?

Has the decision already been made to have this OTH-B System here? Since the Government installation at Mekoma and Concrete, MD, are not being used, [not completed]

Target?
Effects on birds?

Ralph Bera

Route 3, Box 521A, Park Rapids, MN 56470

Have the exact boundaries of the receiving site of the Thief River Falls site been determined?

If so, what are the boundaries of said site?

John R. Engel

Forx Amateur Radio Club, 616 8th Street S.E., East Grand Forks, MN 56721

How will the OTH-B radar system differ from the OTH system used in the Soviet Union, which causes interference on Amateur frequencies from 7.0 MHz to 14.2 MHz?

What are the approximate frequencies that will be used?

John Rodgers

c/o Modak Electric, Box 1478, Grand Forks, MD 58201

Has the location of existing main power lines with the capacity capable of supplying the OTH-B energy requirements been considered to minimize power line construction? What is considered high voltage?

Grand Forks

2

G3

G1, G2, G3

G3

42

G9

43

44

G2, G4, G9

Carl H. Altenbernd

Lake Agassiz Regional Council, 321 N. 4th, Fargo, ND 58102

State of art/projected length of use.
Disbanding procedure when life is discontinued (impact farms).
Interference - state of operation whereby they would have to cut into certain radio bands.

James Schneider

Box 1537, 1000 East Divide, Bismarck, ND 58505

I would appreciate information relative to job titles and job specifications for civilian personnel to be employed following construction.

Louis & Carolyn Hugg

Rt. 5 Box 108, Thief River Falls, MN 56701

We are in favor of getting this in our area.
We have 80 acres on a ridge within the area of choice for the radar system. We do live here in a new home we built in 1976, but would be very willing to sell or lease.

Lynn Porter

Box 542, Hillsboro, ND 58045

Please don't put the Central OTH-B Radar System in the Blanchard area! Why ruin more farmland and the waterways than you already have!!!

Joel Bertke

8075 Edgewood Drive, Mounds View, MN 55432

G3, G6

I am writing to you concerning the proposed OTH-B radar system that may be located in the Blanchard, ND area. My sister and myself are land owners in Bloomfield Township, which is in Traill County that I understand would be affected by this site.

This land has been in our family since the turn of the century, and we would like to be able to pass this on to our children. After the death of my father, my mother has been receiving the revenues from the land to support herself in addition to her social security. We would like to see this continue as she is elderly and may have to move into the nursing home in Hillsboro, in the near future.

Grand Forks

3

It seems that it would make a lot more sense to use federal or state land, or marginal land, rather than the excellent farmland that is located in the area.

I would ask your support to try to have this located at a different site than the one at Blanchard, ND.

Thank you for your time and consideration.

Gene Porter

RR Box 71, Grandin, ND 58038

G3, G5, G6

We are concerned about water runoff, underground tubes in this country will not work because they will freeze shut during the winter and in the spring the water will flow across country. Also, townships will not be able to financially keep the roads in condition during construction. Letting the site go to weeds, we will have seeds blowing onto other land.

With the proposed area, you are taking prime farmland here in the Red River Valley out of production. It seems wasteland or marginal land could be used.

Mae & Ed Tate

Box 255, Grandin, ND 58038

G1

I would like to see the October 6 deadline extended to December 1, 1986 to give a little more time for us to really get acquainted with the overall situation.

I would also like to have another open meeting to learn more about what is actually being done.

Glenn & Grace Porter

RR 1, Box 62, Grandin, ND 58038

G1, G3, G6

As a concerned landowner in the area of the proposed radar receiving site, I believe more time and information is needed for everyone in this area.

I think a site could be found that would not be so populated or as valuable for food production.

The loss of tax base would create a problem for schools and township government.

I propose a postponement of the cutoff date and another hearing held in this area.

Grand Forks

4

William P. and Patricia J. Motter

Route 1, Box 55, Hunter, MD 58048

G5

There is a big water problem in 144-52 Greenfield Township and 144-51 Bohnsack Township. If no water can lay on this site or flow over it, there will have to be dikes built around it.

This will force acres of water onto surrounding land and cause bigger problems, such as erosion and crop loss.

I am enclosing some pictures of this area.

Muriel K. Oliver

1256 NW Summit Avenue, Portland, OR 97210

G4

Although my understanding of the report suggests our property would not be selected because of the flyway location and archeological possibilities, I would expect that if the government does choose our area, we would be compensated for at least the same value that we were required to pay inheritance taxes on. Actually, the seven of us feel the land is worth more and we're prepared to put it on the market but be willing to wait for a good price.

Marlin Stokke

RR 1, Box 84, Grandin, MD 58038

G3

I am a landowner in Bohnsack Township, which is included in your Blanchard study area. The land in this area is much too productive to be used in this manner. In the Grand Forks Air Base area, there is much pasture land available that is not acceptable for crop production and would be a better choice for your construction site.

Joel Thorsend

RR 2, C-37, Hillsboro, MD 58045

G5, G6

I am opposed to the radar plan in our area as I feel it will hurt the township tax roles. I also feel it will cause water drainage problems which we are trying to improve.

Mrs. Dale Peterson

Box 61, Hunter, MD 58048

G1, G3, G8

We just become aware of this going on. Why was it kept so secret?? We should have been notified as to the meeting and what was being planned.

Grand Forks

5

We much oppose using good fertile land, when there are so many places of poor land.

We also oppose living right next to all the radar--when they do not say it won't harm us.

Wes Ecker

Box 77, RR 1, Grandin, MD 58038

G3, G4, G5, G6, G8

We are opposed to the proposed radar site near Blanchard. We feel there is potential for damage to the topsoil by being buried in the leveling process. By destroying the natural and man-made waterways, we fear flooding will be a real problem.

We are also concerned about the loss of tax revenue to the affected township as well as a noxious weed problem if the site is not properly maintained.

We fear potential health hazards from high energy levels and are concerned that this might be a choice for a future hazardous waste dump.

Paul Ponte

R 2, Box 6, V.Lanchard, MD 58009

We have rural water lines underground. We have electric lines underground. We have telephone lines underground. What happens to them when they need repairs; can the men go in and fix them?

I live on Sec 7-144-51 Bohnsack Township, Traill County, MD.

Erik Levandowski

320 Broadway, Thompson, MD 58278

G2, G9

Amateur and shortwave radio users have been contending with the Russian "woodpecker" for years; there over-the-horizon service must work? I find it unfortunate this technology is to be used; it is assuredly inferior to satellite detection. . . isn't it? What really burns me is the use of radio spectrum usually assigned to "hams;" will our system use government- and military-assigned frequencies?

Mildred McSparron

Grandin, MD 58038

If this radar system is built in this area, it will destroy many family farms dating back over 100 years, which is destroying what our heritage is about and taking our livelihood from us.

Grand Forks

6

Mr. & Mrs. Ted Byrh

G3

RR 1, Box 63, Galesburg, MD

Our community has been a quiet, clean, peaceful place to live. we have felt secure. Will it change, will we be more vulnerable if we have a radar system? We do realize, as a nation and as good citizens, we must be willing to protect ourselves, so this must be necessary. But we do see land that is less productive than the places you have chosen that could be used. Don't take the best land in Traill County if you can do as well some place near. Thank you!

Helen M. Vinie

G2, G3

Garfield & 2nd St., Clifford, MD 58016

My protest must be directed at the waste of money being spent for a defense system that will be obsolete before it is finished, or perhaps before it is even begun, as was the case of the missile silos. Millions of dollars could be used to better advantage in exchange programs where people of other countries could learn to know us, and we them. Also, it could be used to ship our surplus food to starving millions. I also object to our prime farmland being taken out of production.

Dunbar McSparron

G3

Box 72, Grandin, MD 58038

We feel that there must be a more appropriate place for this large a project than in the fertile farmland in the Red River Valley. The loss of farm families and their life work cannot be replaced.

Kevin D. Hansen

G1, G3

R. 1, Box 76, Hillsboro, MD 58045

I would like the comment period extended to December 1, 1986,

because there are too many unanswered questions. Also, your DEIS has some wrong information. Example, there is a rural water system serving individuals in the Blanchard site, not wells.

Grand Forks

7

Cynthia Jo Hansen

G1, G3

R. 1, Box 76, Hillsboro, MD 58045

Please extend your comment period to December 1, 1986. Also take the time to meet with the government (we the people) at each individual site. Did you ever consider using one of the Air Force's abandoned radar sites? There is one 50 miles from Grand Forks AFB. It's at Finley, which has much better water drainage.

Kenneth & Dorothy Halvorsen

G3

RR 1, Box 105, Hillsboro, MD 58045

We are landowners in the Red River Valley in the proposed Blanchard site. We are not in favor of the Central Radar detection system being built in this area as Traill County has the highest valuation in the state of North Dakota and the Blanchard site is in the heart of Traill County.

Because of this fertile land, we would like to see the proposed detection system being put on less valuable land--also where it will affect the lives of fewer people.

We are wondering why the Finley Radar Station, which the Government already owns, cannot be used for this purpose.

We are not in favor of the location of the present site.

John Porter

G1, G4, G5, G6, G7, G8, G9

Box 134, Hunter, MD 58048

I don't feel the landowners were given a proper notice of the intent of the Air Force. Out-of-state landowners had no notice at all and had no chance to comment or ask questions.

I feel the only fair response the Air Force could make would be to have a public meeting to clear up some of the questions being asked. Reason number 8 on next page (below) is a question that is being asked a great deal.

Concerned Citizens Opposed to the Central Radar System (Attachment)

1. We request an extension from October 6 to December 1, 1986, of the comment period for the draft environmental impact statement of the proposed Central Radar System.

2. We request a hearing to be held in each area. (Hillsboro National Guard Armory for the Galesburg and Blanchard study areas.)

Grand Forks

8

Reasons for our Opposition to the Project

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business, and citizen band radios in the immediate area could be unreliable.

Loren E. Radebaugh

G3, G4, G5, G6, G7, G8, G9
RR 1, Box 58, Grandin, MD 58038

My main concern is why the U.S. Air Force or government has to take some of the best farming land in the country and use it for their radar site. With such a small percentage of land fit to raise crops in our country why take some of the best when there is such a much larger percentage not fit for farming? The other issues on the attached sheet (below) are also valid reasons for not implementing the radar system in our area. Please consider my concerns in your decision as to the location of the site.

Reasons for our opposition to the project (Attachment)

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.

Grand Forks

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6. Negative impact on county and townships roads during 3-5 yrs. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.

Eldon & Elaine Saunders

G3

Hunter, MD 58048

The thing that bothers me is destroying this prime farmland. Our children may need it. There is certainly more marginal land not too far away. Why not use the site at Mekoma, W.D., which is already owned by the Army and ruined for civilian use. I don't buy the idea that no other site would do. It will probably be traded off like Mekoma was anyway after the damage was done.

Reasons for our opposition to the Project (Attachment)

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
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8. After 20 years the site could become a refuse area for military use.
9. Local Communications such as radio, TV, business and citizen band radios in the immediate area could be reliable.

Grand Forks

10

Mr. and Mrs. Gerald Kylo

G3

Route 1, Box 61, Hunter, MD 58048

Since we own and farm land in the designated area of possible radar receive antenna, we do strongly object to having GOOD land idled for 20 years or more. Surely there are experts who can research and locate this security equipment in a more remote and unproductive area. Now about checking out the (dismantled) Nekoma site (in North Dakota)? We just plain do NOT want a site located here!

Donald McInnes

G3, G5

RR 2, Box 141, Hillsboro, MD 58045

Having the Central Radar System located in prime farm country is a serious mistake. There is plenty of marginal land within 50 miles of the Grand Forks Air Base.

I think you have overlooked that there is a rural water system that weaves all through this area, and being a valley, this entire area is subject to severe flooding at certain times of the year.

Concerned Citizens Opposed to the Central Radar System

1. We request an extension from Oct. 6 to Dec. 1, 1986 of the comment period for the draft environmental impact statement of the proposed Central Radar System.
 2. We request a hearing to be held in each area. (Hillsboro National Guard Armory for the Galesburg and Blanchard study areas.)
- Reasons for our opposition to the project [Attachment]
1. Health Issues - No reliable statistics or data concerning health hazards.
 2. Tax impact on county, townships, and school districts.
 3. Drainage and water problems.
 4. Prime family farmland will be destroyed.
 5. Lower value of adjoining land and buildings.
 6. Negative impact on county and township roads during 3-5 yr. construction period. Maintenance of roads during and after construction.

Grand Forks

11

7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.

9. Local Communications such as radio, TV, business, and citizen band radios in the immediate area could be unreliable.

Ed Brandsted

G3

RR 1 Box 73, Galesburg, MD 58035

I am in favor of national security--and this radar system--as long as our congressional leaders agree that we need it.

I am opposed to building such a facility ON GOOD farmland! It is hard for me to see that marginal or nonillable land is so hard to find.

Gerald S. Radebaugh

G3, G5, G6, G7

RR 1, Box 57, Grandin, MD 58038

I feel that taking prime farmland for this purpose is wrong. The township is hurting for operating money now and would be further taxed without the taxes on 4 sections.

Drainage may be a problem if water would not be allowed to cross this area. Our township roads could not stand heavy machinery traffic; therefore, this site should be located at major roads. Why not use poor wasteland such as south of Thief River Falls?

Concerned Citizens Opposed To the Central Radar System [Attachment]

1. We request an extension from October 6 to December 1, 1986, of the comment period for the draft environmental impact statement of the proposed Central Radar System.
 2. We request a hearing to be held in each area. (Hillsboro National Guard Armory for the Galesburg and Blanchard study areas.)
- Reasons for our opposition to the project
1. Health Issues - No reliable statistics or data concerning health hazards.
 2. Tax impact on county, townships, and school districts.
 3. Drainage and water problems.

Grand Forks

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4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business, and citizen band radios in the immediate area could be unreliable.

John Juelson

P.O. Box 207, Hillsboro, MD 58045

I would hope that land for the OTH-B Radar System could be found and used that is not productive farmland. I favor the installation of the OTH-B Radar System in an area other than the Blanchard or Galesburg study areas.

Russell Waters

RR 1, Box 71, Hillsboro, MD 58045

Why take such good and productive land for this site. It is such a waste, when less valuable land in neighboring areas could serve your purpose just as well.

Tom Reid

Rt. 3, Box 16, Hillsboro, MD

I am opposed to the taking of good farmland occupied by family farmers for this purpose. It will disrupt the drainage in this area. The school district, townships, and county will suffer from this land being taken off the tax roles. The people should have more information on this project. A meeting in Hillsboro, MD, should be a must. The comment period should be extended from October 6 to December 1, 1986.

Grand Forks

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Dennis & Geraldine Peterson

RR #1 Box 68, Grandin, MN 58038

I live in Bohnsack Township 22-144-51 Blanchard Study Area. I am very much opposed to having the radar system in the Blanchard area. Two out of five years we have severe water problems with surface water in the spring. A lot of water comes from the west along Traill County Mo. 1. Most of the time the north-south roads work as dikes to slow up the water so the water can drain away at a reasonable rate. Our area is so flat that we don't have any place for retention dams without flooding someone's land.

I have land in 19-144-51 and 24-144-52 that I paid \$1000 per acre for. I have spent eight years of my life working sometimes 20 hour days to pay for the land. I certainly would not consider selling or renting it for less money.

Your book does not mention that we have had rural water for 9 years. Also, Traill County doesn't have any decent gravel left in it. We have to go 50 miles for gravel.

If your high wood fence was close to any of our roads, it would block the road permanently with snow in the winter.

If you come into our area, Senator Burdick's office has assured me that I can appear before the Senate Appropriations Committee-not to be against the radar system but to protect an endangered species, THE AMERICAN FAMILY FARMER. We have a lot of marginal land and/or government-owned land in North Dakota or Minnesota that could be used instead of our very productive farmland here.

Our cost each year to work and seed an acre of land is \$100 per acre, which is \$240,000 a year or \$4,800,000 lost in 20 years. All economists tell us that the money the farmers spend magnifies itself by a factor of 7, or a total of \$33,600,000 lost to the local area in 20 years. We pay \$900 per quarter-section in taxes for a total of \$288,000 lost in 20 years.

Since you wouldn't come into our local area for any public informational meetings, my neighbors and I have held several meetings of our own to inform the public of all the negative impacts of this proposed radar system. We couldn't think of any positive impacts. Local ABC, CBS, NBC television stations and all local papers have given us very good coverage.

Brett A. Radebaugh

RR 1 Box 57, Grandin, MD 58038

My main concern is the taking of prime farmland. The land is too good to waste and take out of production. I'm just starting farming on my father's farm, and it has been that way for four generations. Most people in our area are in the same situation. We want to keep our farms in the family and that is hard enough to do these days.

Grand Forks

14

G1, G3, G5, G8

G3, G6, G7

Another concern is local revenues and the up-keep of our roads. Our little township roads won't handle heavy machinery, and we won't have the money to keep them up.

Reasons for our opposition to the project (Attachment)

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yrs. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.

Robert M. McSparron

Box 643, Hillsboro, MD 58045

My concern with the project proposed is the use of prime farmland. Will the day come when we'll be sorry this land is not used for food production--the world's best wheat is produced here. Please consider this in choosing a site.

John Knudavik

Box 4, Cliffford, MD 58016

I feel we need more time to get the details of the site selection. It seems there would be a better place to put the radar equipment, rather than in the agricultural heartland of this state and nation.

I think there are other elements involved such as environmental impact, when put too close to people- try to find someplace far from town and somewhat of a wasteland to put this facility in.

If some study is needed to put it in space, then wait and do it that way.

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In closing, please try to extend the deadline to December 1, 1986, so we can have more time for communication between the military and community.

Harry Eisenbeis

P.O. Box F, Hilleboro, MD 58045

I'm concerned as a businessman that almost 2,500 acres of some of the most productive land in our Red River Valley may be taken out of production and take more families off of the farm. I'm also concerned with the loss of tax base for our county, townships, and school district.

Gary & Glenda Smith

RR 1, Box 98, Cummings, MD 58223

Why haven't the sites owned by the government, namely Finley Air Force Base radar site--that has been outdated and abandoned--be rebuilt to utilize the land already rendered useless for farming be used. I believe there is also one at Mekoma, both sites being within the guidelines required by location to the base at Grand Forks.

The blatant destruction of the most fertile land in the world is hard to believe. We have been entrusted to care for the land for future generations. I'd hate to think I'll pass on a radar receiving site as my grandchildren's heritage. Is there no other area that could be used that doesn't destroy homes and livelihoods of so many families?

The Blanchard study site is heavily settled and raises some of the best crops in the state.

The financial impacts could be very harmful to the area. Damage from water changes will harm landowners all the way to the Red River, the final destination of all drainage water in the Blanchard study.

We haven't yet seen "The Blue Book" to study and acquaint ourselves to all the problems. I do believe that there is a need for such a radar system, but need it be located where it will harm so many lives?

Dean Ecker

RR 1 Box 76, Grandin, MD 58038

Reasons for opposition to project

1. Health hazards
2. Tax impact on county, township, and school districts
3. Drainage problems
4. Prime family land destroyed
5. Lower value of adjoining land

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6. Negative impact on county and township roads during construction
7. No lasting benefit to economy
8. After 20 years site could be a refuse area for military use
9. Local communications such as telephone, radio, TV, business and citizen radio in immediate area could be unreliable

Virginia J. Miller

316 Hamline, Grand Forks, ND 58201

G2, G8

I appreciate the efforts of the U.S.A.F. to minimize the socioeconomic and environmental impact that would result from the implementation of the OTH-B radar system. However, I am concerned and disturbed that almost a billion of our tax dollars will be spent and that the environment and people's social and economic lives will, nonetheless, be disrupted for a radar system that is not needed and is vulnerable. It is my understanding that the number of Soviet bombers is limited, compared with the number of U.S. bombers, since land-based missiles are the primary nuclear defense for the Soviet Union. North is the most likely direction from which the Soviet bombers would come toward the U.S. The ionosphere above the Arctic region is unstable, as manifested in the phenomenon of the aurora borealis due to the electromagnetic anomalies that occur there; thus, the OTH-B radar system, which requires a more stable ionosphere to function well, will only operate facing south. Information regarding the location, movement, and massing of Soviet bombers that the OTH-B system is designed to transmit is already available from the current intelligence of the CIA and the National Security Agency. Also, the OTH-B radar system with its narrow bandwidth can be more easily jammed than systems using a wider bandwidth. And what about sabotage? Despite on-site security, a wide range of sabotage is a likely possibility, and probably without any immediate identification of responsible parties--a highly dangerous, tension-producing situation. The history of the OTH-B radar system has been plagued with problems and questionable value.

(Reference: Ford, Daniel, The Button: The Pentagon's Strategic Command and Control System. Simon & Schuster: NY, 1985, pp. 208-213.) I recommend that the Air Force personnel engaged in this project read the book, The Button by Daniel Ford.

In addition, I have a health-related concern that the phrase "no reliable scientific evidence exists" means, as it has at times in the past, that you really don't know what the long-term health effects will be and that the people working and living in and near the transmitting areas of the OTH-B radar system will be the ones to find out as the years go by--with perhaps no connections ever being made.

I ask the U.S.A.F. and the government to re-evaluate and STOP plans for the OTH-B radar system immediately.

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Leonard Thompson

Box 204, Blanchard, MD

G1, G5, G7

We would like to have the Comment Period extended from October 6 to December 1, 1986, and that the Air Force hold a hearing in Hillsboro at the National Guard Armory for more information. We are also concerned with the prime family farmland that will be completely destroyed, the drainage and water problems [and] the tax impact on county, townships, and school districts. With the Summer being so busy when you farm, we have had very little time to read up on this project.

Mr. and Mrs. Bruce Thorarud

Box 75, RR 1, Grandin, MD 58038

G3, G4

How can you take prime farmland out of production? There must be other areas of the country with poor land and fewer people that could be used.

We are also very worried about what might happen to this area 20 years down the road. We certainly wouldn't want a nuclear waste dump in our backyards!

Otto Bertach

P.O. Box 15, Hillsboro, MD 58045

G1, G3

I don't think that our community was notified of this issue early enough. Therefore, we don't really know all the facts about this program. I think you should delay the closing date until December 1986 or even January 1987. It seems strange that you would consider taking some of the finest agricultural soil in the world for a project that only has a life of 20 years--to say nothing of taking away a family farm that future generations would seek a livelihood.

I don't think you should place this program in our area.

Mrs. Irene Eblen

704 1st Ave. N.E., R-1 Box C-40, Hillsboro, MD 58045

It would spoil the looks of our wonderful valley.

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Joseph J. Miller

G3

R 2 Box 7, Blanchard, MD 58009

Being a landowner in Bohnsack township, I am quite concerned about the GRI-B Radar System being proposed to be built in the Blanchard area. I do feel as though the system is necessary, but is it necessary to take the good farming land of the Red River Valley and disrupt so many young farmers lives. For that reason I am opposed to it being built in the Blanchard area but in some less productive area of M.D.

Francis Kutzberger

G3

RR 2, Box 102, Hillsboro, MD

Why put this structure on some of the best farmland in the country?

Jack Delrymple

G5

Box 220, Casselton, MD 58012

The proposed area has severe drainage problems. Your facility would suffer from that and cause additional damage to the area's drainage problems. Bohnsack Township is an especially bad area in this regard.

Curtis Satrom

G3, G5, G6, G7, G8, G9

Grandin, MD 58038

1. Prime family farmland will be destroyed.
2. There are more farms in this area, more thickly populated and more cattle in area, than any area around.
3. Drainage and water problems.
4. Lower value of adjoining land and buildings.
5. Local communication such as radio, TV, business and citizen band radios in area could be unreliable.
6. Tax impact on county, townships and school districts.
7. Health hazards.
8. Negative impact on county and township roads.
9. No lasting benefit to the local economy.

Arnold Schornack

G3

Box 252, Hillsboro, MD 58045

I would say we have the best land in the U.S. To take this land out of production would be uncalled for.

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Lorine Schornack

G3

Box 252, Hillsboro, MD 58045

This is the richest land in the valley, and I believe it should be kept in grain, etc., not to be used as a dump or otherwise for 20 years. After that, who can do anything with it?

Sky Tractor Company

G2, G3

RR 2, Box 36, Hillsboro, MD 58045

To whom it may concern:

We just have to quit using the best farmland in the United States for purposes such as proposed, when poorer land, less productive land is available such as in the Thief River Falls area for the Backscatter radar facility. I have no doubt that such a facility is needed for National Defense, so I have no problem with the national need of such a facility and need to build it.

Rick Satrom

G5, G6, G7, G8, G9

RR 1 Box 82, Grandin, MD 58038

1. Health hazards.
2. Drainage and water problems.
3. Prime family farmland will be destroyed.
4. More farms in area, more thickly populated and more cattle in area, than any other area.
5. Tax impact on county, township and school districts.
6. Lower value of adjoining land and buildings.
7. Negative impact on county and township roads.
8. Local communications such as radio, TV, business and citizen band radios in area could be unreliable.
9. No lasting benefit to the local economy.

Mr. & Mrs. Roy Satrom

G5, G6, G7, G8, G9

Grandin, MD 58038

1. Health hazards.
2. Tax impact on county, townships and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. More farms in area, more thickly populated and more cattle in area, than any area around.
6. Lower value of adjoining land and buildings.

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7. Negative impact on county and township roads.
8. No lasting benefit to the local economy.
9. Local communications such as radio, TV, business and citizen band radios in the area could be unreliable.

Richard W. Gahrke

G3, G5, G6, G7, G8, G9

Box 456, Hillsboro, MD 58045

I object to the proposed location of the Central Radar System project in Traill County. I feel that some of my biggest concerns deal with taking prime farmland out of production. There may be health hazards, tax base for the county and school districts may go down, possibly lower the value of adjoining land. The radar system may cause drainage and water problems, as well as road problems during the construction phase. It may also hamper local communications such as phone, TV, radio. Please consider these objections. Thank you!

Donald P. & Barbara Hansen

G1, G5, G6, G8

Box 33, Hunter, MD 58048

We greatly oppose the Central OTH-B Radar System you are wanting to place in the Blanchard, North Dakota area. We were never notified and even though you did announce your plans to some degree, they were very insufficient to be noted very easily. We don't feel this is fair of our government. We have many unanswered questions regarding health hazards, the tax impact on our community, drainage and water problems, the income of families destroyed with no other lasting economy impact on the community. We have many unanswered questions.

Pearl Bertech

G3

Box 135, Hillsboro, MD 58045

I live on this land--farming is not much--my only means of living. If this project is placed in Blanchard study site, prime farmland will be taken out of production. I do not question the need for this radar system.

But, there must be other nonproductive land some place--where it affects the least number of people.

Buddy & Bev Jacobson

RR 1 Box 40, Hillsboro, MD 58045

How about noise??? Snow??? in winter high drifts.
Thanks for the book.

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Jerome Myaveen

G3, G4

Rt 2 Box 80, Hillsboro, MD 58045

Why is it necessary to destroy 4 sections of the finest land in the Red River Valley when there are so many areas of low and non-productive land available within a short distance?

What is wrong with using a site such as Mekoma, MD, which I assume is already owned by the Government?

I think the some illogical reasoning applies here as the government's wish to dump nuclear wastes in Minnesota instead of some remote desert wasteland where it can do no harm to the ecology.

Asgot Myaveen

G3, G4

RR 2, Box 80, Hillsboro, MD 58045

I am very concerned that you are asking for prime farm land. Does it or could it become a property of the government and down the road a few years become a waste dump after the current project is over?
I am very much opposed.

Louise Bell

G1, G3

Route 2 Box 72, Gardner, MD 58036

I am opposed to the location in Cass and Traill counties proposed as a receiver site for the Over-the-Horizon Backscatter Radar System. The area I refer to is the Blanchard, M.D. area. Farms throughout this area provide a way of living for many families. Most of these family farms have been in the families for generations and mean more to them than just a way to make a living. The area near the Minot, M.D. Air Base is not so well suited for farming. Please use that as the operations center instead of the Grand Forks Air Force Base.

I do not live directly in the area proposed, but do know many of the families there. In order for these people to become aware of this project and express their views, please extend the comment period to December 1 and hold an additional hearing in Hillsboro or Hunter, as many of these people were not even aware of the hearing in Grand Forks in September. Thank you.

M. Scholin

Box 791, Thief River Falls, MN 56701

There is some opposition in our area, but not as much as some (Mr. Dyrda) would want you to believe. My farm is for sale, and I would like to negotiate.

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Robert Bell

Rt 2 Box 72, Gardner, MD 58036

G1, G3, G5, G7

I am opposed to the Over-the-Horizon Backscatter Radar System in the Grandin-Blanchard-Hunter area as this is prime farmland which is better suited to raising crops than radar antennas and related apparatus. There MUST be areas of the state which would be as well suited for this project that are not high-priced, non-replacable farm land!!!

The area drainage and road systems will also be harmed by this project. I realize this project MAY be required in the nation's defense, but please don't put it in the Red River Valley and use up valuable farmland. Please extend complaint period into December.

Randy & Colette Smith

809 W. 7th Street, Wapeton, MD 58075

My husband and I were married on July 17 of this year. Our future together depends on my husband's farming. The building of the proposed "Over-The-Horizon Backscatter Radar System" would be the end of my husbands and my own future. It would be the end of our horizon! Please reconsider your plans and research the possibilities of ending many young men and women's futures.

Jeffrey Smith

RR 1 Box 9B, Cummings, MD 58223
G1, G3, G4, G5, G6, G8, G9

Sites chosen all consist of prime family farmland. The inhabitants of these areas live on and earn their livings from this valuable farmland. There is less valuable, unoccupied land in the area that could be used instead of the land included in the chosen sites.

Reasons for our opposition to the project (Attachment)

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3 5 yrs. construction period. Maintenance of roads during and after construction.

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7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.

Kenneth & Marilyn Griesbach

RR 1 Box 49, Hunter, MD 58048

Why can't it be worked out to utilize the Mekoma site that's sitting and going to rack and ruin - (a totally big waste)?

Winnifred Jane Kopanger

Hillsboro, MD 58045-0041

Electronics: If a trial period was on (1979-1982+): the boxes could be felt: miserable: megs may have been too high: maybe it was not the USA? Dad passed away: 1979: Mom in 1982.

Chemicals from farming may tie in: 100%.

Biological Impact: A neighbor child was born and died of a genetic interference disease (two years old).

Wrong reactions from prescription drugs was noticed.
Control of animals was noticed. Interference of TV; telephones was noticed.

Animals (pets) at young ages showed cataract signs.

Skin infestations noticed.

Neurological physical anomalies apparent.

Air quality is very bad.

Many more undoings noticed.

More can be said.

Chemical, biological and radiation type terrorism may be in vogue: it is dreaded! from whatever source.

Mrs. Duane Smart

Rt. 1 Box 36, Hillsboro, MD 58045

G3, G5, G6, G8, G9

Comments on Blanchard site for Central Radar System:

Health Issues

Tax impact on county, township and school

Drainage and water problems

Prime farmland destroyed

Lower value of adjacent land and building after 20 years - what then? A refuse area for military?

Local communications could be unreliable.

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Harold & Lorraine Rogahn

7974 142nd Ave. N.W., Anoka, MN 55303

G3

We do not want the Radar System installed in this area. It would ruin many miles of productive agricultural land. Our land has been in our family for over 100 years, and we were planning on retiring on it in a few years. We also feel the radar system would kill the wildlife and pollute the water in rivers, streams, and lakes. I feel there are better areas which would be more suitable and would not ruin good land.

Keith Brown

G1, G3, G5, G6, G7

5806 Aspen Lane, Kansas City, MO 64152

I am very opposed to this project (Central OTH-B Radar System) being carried out in Traill County, especially Blanchard Township, North Dakota. As a landowner, I was billed for \$2,012.74 in taxes in the year 1985 for the south half of Section 28-145-52. This taxation was for 320 acres of unimproved land. We cannot assume any greater taxes because of land being taken out of the tax status for a project of this sort.

This will also cause a further devaluation of our land, and our land at the present time has devaluated BELOW THE ROCK BOTTOM LEVEL!

The township and county will not need LESS TAXES but MORE TAXES for upkeep and building of more roadways, because as I understand this, it is going to be very sizable and involve approximately 2,400 acres, which is almost 4 square miles, or 4 sections. It will require cutting off some roads and building some new ones which, in turn, will involve the county and township.

Then comes the drainage problem! It seems as though the AIR FORCE cannot be relied on for compensation for any flood damage. There is also a site that seems to have been abandoned at Mekoma, North Dakota. The buildings and all that is necessary are there - why not use that? Because it is on marginal farmland. Don't take rich, productive land and ruin it for all time to come. I am told the site at Mekoma, North Dakota, is used for a dump site - clean it up and use it for the present project.

It is my conviction that the above mentioned project would far surpass the proposed project and also be a tremendous savings to the taxpayers, of which I am counted in.

It is also my suggestion that the meetings be held in Hillsboro, North Dakota, NOT in Grand Forks or Fargo. Although I will be unable to attend, the meetings should be held near the proposed site of the project to allow the most interested and affected parties easier attendance.

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Emil & Beva Hansen

Box 45, Hunter, ND 58048

G3

There must be land that is not so valuable farmland to be used. This area has homes every few miles. Farming is a way of life. Please relocate the thing!

Jennie Birkes

G3, G4

Route 1, Hillsboro, ND

It's going to be hard on the elderly who own land in the way of the radar. There are cities and people who want the radar, and I know it's necessary, but to take the best farmland in the state of North Dakota?

If my livelihood is taken away, who will care for me when the money is gone and I have to live out my life in a nursing home?

My husband and I farmed 39 years together to save for the time when age and health would take money to carry on. With a trust fund income from the farm which I was hoping would be there for my children when I no longer needed it.

Ronald & Gloria Porter

RR 1, Box 63, Grandin, ND 58038

We are opposed to locating a CRS receiver site in the Blanchard Study Area. Not in 14N-51W Bohnsack Township!

Will the 45 mph winter winds cause the receiver to "sing"??

John Tate

G1, G3, G8

Hunter, ND

In consideration of the people living in the Blanchard study area, we would like an extension on the time period from October 6, 1986, to December 1, 1986, to give us more time, as the most of us are trying to harvest yet.

The people here can't understand why you are proposing to take this prime land and use it for the signal receiver station. This land is prime family farmland here in the Red River Valley. The government has acres of marginal land that it owns already and has not any families on it.

According to your study book there isn't enough study or evidence proving that this will not affect people here with health problems later on.

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G3, G4, G5, G6, G7, G9

The heavy equipment they will bring in and use here will ruin our roads, and we won't get any revenue to keep them repaired.
The township will not get any tax money if the land is sold and it will raise our taxes in the township 18 percent.

In this study area, Bohnsack Township has a lot of land involved. The pictures I have enclosed will show the flooding problems we have had in the past and, in my opinion, this project will add to our problems with drainage in the area.

In my opinion, the receiving station will devalue the surrounding area land prices. The fences will create problems with the drifting snow for our roads. If the fences are too close, the roads could become blocked with snow.

After you decommission the site, our biggest concern is that this will be turned into a nuclear waste dump.
Contrary to the study book, this is a flyway for the ducks and geese in the spring and fall.

Our local communications could all be interfered with so we could not use any of these close to your site.

We have heard already that in the site you have operating, the reception isn't any good.

In light of all these reasons, as a landowner, I am very opposed to this project in the Blanchard study area!

Connie Tate

RR 1 Box 51, Hunter, MD 58048

G1, G3, G5, G8

I am very concerned about the fact that you are considering taking this amount of the most productive family farm land in the state of North Dakota, not only out of production, but probably out of production forever. This is also a populated area. If there is no reliable evidence that this radar system is hazardous to humans outside of the exclusion fence, then there is also no reliable evidence that it won't be hazardous to humans. Until this is known for certain, I feel this radar system should, in no way, be built in a community such as the Blanchard Study Area.

Are you aware of the severe water drainage problems in the southern sections of this area during spring run-off?

Please conduct another hearing on this within the Blanchard Study Area!

Mauritz Scholin

348 No. Crocker Ave., Thief River Falls, MN 56701

We are from the area you have been considering placing a radar system. We have attended the meetings and feel there is a need for this to be built. As a former Air Force man myself, I respect the opinions the Air Force members expressed at these meetings concerning this need. I think the employment opportunity, though small, would be good for our

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area because we have the workers and the housing in Thief River Falls. I understand there is one person in the area who is stirring up a lot of controversy. My wife and I own 200 acres and are willing to negotiate this land as is my brother Mel Scholin and others nearby. Thank you.

Donald Uglem

G4, G5, G7, G8, G9

RR 2 Box 96, Northwood, MD 58267

I have my concerns about the possible impact of this project.

Problem - severe tax revenue loss for our township.

Possible problems doing aerial spraying in vicinity of radar.

Possible radio, television, & CB radio interference.

Probable excessive water erosion during construction.

Problem with rerouting natural water flow.

Possible radiation danger.

Possible interference with our water supply (shallow well).

Problem with wildlife (large number of ducks and geese) that often feed in area in fall.

I do not feel this is an appropriate area for your proposed project. If possible, I would like to talk to someone about it.

Frank Armstrong

Thief River Falls, MN 56701

Please keep the Over-the-Horizon Backscatter Scanner away. We do not feel we even need it here. Land Owner in Pennington County, Morden Township.

Sherry Page

Rt. 1 Box 211, Thief River Falls, MN 56701

I am opposed to the OTH-B Radar System proposed for the Thief River Falls, Minnesota site.

Kelly S. Kylio

1012 1st Street So., Wahpeton, ND 58075

We feel this radar system is needed to protect our country. We feel the Blanchard study area is the best area because of the level land which is needed for this system.

With the farm economy as bad as it is, I am sure there are farmers willing to sell their land. We know there are farmers opposed to it.

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We also know there are farmers not opposed to it, also. We believe the economy in the area should benefit because of the labor force that would be needed. We have land located in the study area and would be willing to negotiate on a price. We know the land won't be cheap as it is prime land. Possibly the best in North Dakota. Thank you!

Ron Kylio

Box 56, Hunter, MD

We feel this radar system is needed to protect our country. We feel the Blanchard study area is the best area because of the level land which is needed for this system.

With the farm economy as bad as it is, I am sure there are farmers willing to sell their land. We know there are farmers opposed to it. We also know there are farmers not opposed to it, also. We believe the economy in the area would benefit because of the labor force that would be needed. We have land located in the study area and would be willing to negotiate on a price. We know the land won't be cheap as it is prime land. Possibly the best in North Dakota. Thank you!

Frank Dobias

Route 5 Box 66, Thief River Falls, MN 56701

We are opposed to the Over-the-Horizon Backscatter Radar System that's being proposed for our area.

Mr. & Mrs. Walter Schlichtman

Box 165, Hillsboro, MD 58045

G3, G4, G6, G8

Why take valuable farmland for a radar site when so much waste land available for federal use. Townships will lose valuation and tax base for school purposes. Retired people's land will be taken from them for a small figure, and they will lose the basis of their retirement plan. The effect on environment and people, also animals, is not known. We know radar is important, but is it this important? We wonder??

Shelia R. Anderson

RR 1 Box 30, Clifford, MD 58016

G2, G3, G5, G6, G7

I am opposed to the project. I feel it is unnecessary and a waste of taxpayer money. We can get better dollar value from other mean of surveillance. put the money toward research to develop more sophisticated and advanced technological equipment. This area of rich farmland was, is, and should be used for growing food. It will produce

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an excellent crop of food for people's bodies and minds. The people in this valley area are deeply concerned about their neighbor, whether 2 miles or 2,000 miles or 200,000 miles away. A project such as the proposed OTH-B radar system will plant suspicion and mistrust in the minds and hearts of the people of the area. This mistrust will be of neighbors, and government officials who are so thoughtless of the land and people as to suggest this radar system be installed.

Big government has never treated the common person fairly, and it will not in this matter either. This is another case of taking, destroying, and then perhaps handing back the pieces, or else leaving the area as waste land. No one benefits from this. What few jobs may incur will be given to a few out-of-area contractors and employees, and there will be no financial benefit to this area to help in any way. Trading invaluable prime farmland for a few jobs and a few pieces of silver is a poor exchange.

The project will be expensive in terms of rerouting drainage, building and maintaining roads, loss of tax dollars to schools, and local government. Already we are taxed too highly for the amount returned to us for our use.

I am opposed to the placement of the installations and to the project as a whole. My farm is approximately 2 miles from one of the proposed designated sites. My farmland would be greatly affected by the change in drainage and the decrease in value because of its proximity to the site. My school and township would lose revenue, and to make up for lost dollars, the remaining land would be taxed higher than before. I am opposed!

Korey V. Kylio

Arthur, MD 58045

We feel that this radar system is needed to protect our country. We feel the Blanchard study area is the best area because of the level land which is need for this system.

With the farm economy as bad as it is, I am sure there are farmers willing to sell their land. We know there are farmers opposed to it. We also know there are farmers not opposed to it. We believe the economy in the area would benefit because of the labor force that would be needed. We have land located in the study area. We would be willing to negotiate on a price. We know the land won't be cheap--as it is prime land. Possibly the best in North Dakota. Thank you.

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David Eblen

G3

Trall Co. Farmers Union, RR 1 Box 84, Hillsboro, MD

The Trall Co. Farmers Union is a farm organization in Trall Co. of 635 members. The board of directors of that organization unanimously went on record as opposing the backscatter installation in Trall Co. We took the position that this needs to be put in areas where there is non-productive land and very few people. Good farmland is very precious to the people of the area. You need to find another location that is acceptable. Thank you.

Ole Olson

Dahlen, MD

The people in the Dahlen, Fordville area would have to have the Backscatter in our area. Wheat is below \$2 a bushel and sunflowers are 64 a pound. The land is a little sandy, which is good for drainage. Please consider us.

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4.1.2 Wheaton, Minnesota

Walter Schmidtke

G2, G6

R 2, Box 55, Wheaton, MN 56296

1. Will any preference be given to hiring the veteran in the operation or maintenance of the system?
2. Can the OTH system detect aircraft which are not visible to our present radar system, such as our Stealth Bomber?

Alice M. Fridgen

G8

Box 146, Dumont, MN 56236

How can you be sure there are no health hazards from radiation? Health problems in one area of Russia were traced directly to an OTH Radar site (pg. 83, Zapping America).

Their standards in Russia are 1,000 times higher than in U.S.: I am not convinced this is safe!!

Mariorie Frisch

G8

No address.

How can you compare the dangers of the Central radar with the coast radars? Their beams go out over the ocean--the Central will go over the land into the areas where people reside.

Mildred L. Mayers

205 1st Ave. So., Wheaton, MN 56296

I believe the Wheaton North area will have the most adverse impact on the flyway of our ducks and geese. I live along the lake and those birds fly in and out for feeding in that area.

I am absolutely in favor of it being located in our county for the impact it could have on our economy for the next years.

Sandra Gronsborg

G3, G8

RR 2 Box 116, Wheaton, MN 56296

With a lot of mixed feelings I am not in favor of having the Over-The-Horizon radar located in Traverse County. I am concerned about

Wheaton

1

the long term radiation. It has not been experimented enough healthwise, the curiosity of why the concern for wildlife and birds and not about people. As a grandparent, we are concerned for our grandchildren over the years. Also a concern about the radar waves and how it will affect the growing process of our crops, etc. No data about the present situation has been researched enough on the effect of vegetation. Too many unanswered questions. Why here in a populated area when the other areas specified it had to be located in a desolate area?

Dale H. Maribart

G3, G8

Box 23, Dumont, MN 56236

In response to the Central OTH-B radar system, I'm opposed to the placement of the system by any rural community or population due to unknown health hazards. I also believe the placement of this system in the southern Red River Valley is unnecessary destruction of prime farmland which is unreplaceable.

Ervin Simpson

G6

Box 131, Route 2, Herman, MN 56248

I believe there are at least 13 airports in this small county of Traverse. And I suppose this proposed Radar System will cause severe restrictions on many of these private airports.

Joseph Findlay, Jr.

G3

RR 2 Box 126, Herman, MN 56246

There are 18 or 20 farm sites with families living on them that would have to be relocated. The land sold for 12 to 16 hundred dollars per acre several years ago. There are sites within 30 miles of Wheaton with only 1 or 2 farm sites.

There is a heavy concentration of farms south of the Dollymount and Leonardville site, with 3 farm families per square mile. If there is no radiation danger, why don't you other sites beam over populated areas.

Elwina Fischer

Box 101, Dumont, MN 56236

My husband and myself live in the city of Dumont, and we both have businesses there. He is in the welding and repair (mostly farm machinery), and I have a hair shop in my home.

Wheaton

2

It is our feeling that if the OTH-B System were to come into the Dumont area, it would be bad for the businesses of Dumont and a potential health hazard as well.

We need the family farm to survive.

The people of Dumont have always been proud of their town, and we hope that we can be just as proud of it in the future.

Janet Jean Hasbargen

RR 2 Box 97, Wheaton, MN 56296

I do not wish to give up, sell or lease my farmland for the purpose of any federal use. I do not want to live near the proposed site or have my farmland used for the erection of any part of the proposed radar system. I feel this facility would endanger my health and that of my family. I also feel it is a waste of federal tax monies when our present defense systems are adequate against foreign attack.

Marcus H. and Hope L. Bognahn

Box 93, Wendell, MN 56590

I bought this land 44 years ago. Only 60 acres of 160 were farmed on account of the depression and poor condition of the land, rock quick grass, and no drainage. We got it in good condition now. I never had it for sale, and we don't intend to sell it. We have it leased to Duane our son and his family for 8 more years. It was a ten-year lease.

Fae Aukes

Rt. 1 Box 57, Morcross, MN 56274

I am Fae Aukes; my husband is Leslie. Our property is located in Redpath Township. E 1/2 of Sec. 8 and W 1/4 of Sec. 17.

For 40 years my husband and I have worked side by side to make our home and our land a good retirement income from the land. And we were successful. I milked cows, raised chickens, drove tractor (with no cab or air conditioning), lifted hay bales, kept the yard, raised a garden, and kept my house in order, hauled grain--and raised our one God-given beautiful daughter, and was active in church. We worked side by side with carpenters to build our home--to live in it--until who knows when. I could go on and on to tell you what those early years were like.

Now our farm has been placed in the area which the Environmental Impact System calls it a suitable place for a radar base. If we are to give up our property, it throws out our retirement plan and a large part of our retirement income.

It seems to me that birds and fish are more important to you than people (incidentally I like to fish) BUT!! God said: man should have dominion over the birds and animals.

Wheaton

3

What effect will this have on my husband's hobby as an Amateur Radio Operator??
So please be considerate of us and our neighbors in your selection of land.

George and Kay Ahlsten

RR 2 Box 99, Wheaton, MN 56296

We attended your hearing tonight. I was very disappointed and ashamed of some of the Traverse Co. residents.

You haven't heard from the silent majority--you will find us courteous, willing to listen to your proposal, and if we can't agree, we will be respectful.

Jo Van Houel

Rt. 1 Box 113, Campbell, MN 56522

I am aware of your reputation of study for keeping the people safe in our environment. Consequently I do not hesitate to write to you.

For many generations we have had families growing and working together in Traverse County, Minnesota. We have supported the government nationally and locally.

The purpose of this letter is to ask your permission to allow this to continue. Let the Red River Valley continue to grow food, and not taken for a radar system and program. I trust I shall hear soon of plans anew.

James Kranz

RR 2 Box 105, Wheaton, MN 56296

I wish to have my name taken off the Monson Township petition. I was pressured into signing it, so please remove it.

I am a landowner in the Wheaton North site. I am not opposed to the Radar Facility in this area. I own about 320 acres in this site, and I invite you to come out and talk to the people in the area.

David Marlbart

Route 1 Box 20A, Dumont, MN 56236

I, David Marlbart, strongly object to the Over-the-Horizon Backscatter Radar transmitter site being located in Traverse County. I object for 3 main reasons:

Wheaton

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First, taking 4,000 acres of land away from the farmers who depend upon it for their livelihood would be a terrible injustice. Our farms are more than just a place to work - it is where we live. It is where our fathers lived, and probably our grandfathers. It is where we call home. As we grow older, different jobs may take some of us hundreds or thousands of miles from here. But there is one place we can always come back to because it is always our home. You do not have the right to take that from us.

Second, I can see nothing good coming from subjecting the people of this area to microwave radiation. The Air Force says it is safe. Why then does the transmitter site have to be such a great distance from any town?

Third, from the information given to the public, it appears that this whole radar system is a very poor defensive weapon. It is affected by the weather and atmospheric conditions. It is ineffective against the latest military technology - stealth aircraft which are invisible to radar. For these reasons, this radar system is a very poor investment of tax money.

Betty L. Frisch

Box 85, Dumont, NM

I'm opposed because: loss of agriculture land, radiation health hazards, prime target, rerouting water ways, waste of tax money, destruction of wildlife.

Reynold A. Griggs

Rte 1 Box 99A, Park Rapids, NM 56470

I do not live in the Wheaton area, so I will not take a stand for or against the radar system. We do own 350 acres in the Wheaton Southwest study area. This is the Kottke estate owning the west 1/2 of section six in Parnell Township. We would be willing to sell this 350 acres if the price is fair.

Arnold Vold

Rt. 1 Box 17, Johnson, NM 56250

I feel it is an unsafe and unnecessary project, which will be obsolete before it is built. I also feel it's a terrible burden on our community. I have attended all the meetings, and none of the reasons for it are reasonable. With planes that radar can't detect, and it doesn't detect missiles, what good is it? I can't see that it will help the community for any of the unemployed either.

I'm opposed to it in every way!

Wheaton

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Mr. and Mrs. Paul Kruger

Rt 1 Box 72, Beardsley, NM

We have attended the radar meetings and we have read much pertaining to the site. We strongly oppose the radar site being placed in Traverse County. Our family would lose good productive land which has been in our family for nearly 100 years and our sons want to farm. Even more important than the above is the health hazard that will affect our neighbors who would have to live next to it. We feel there surely must be land that could be used that would be pasture land or wasteland.

Mrs. Jim Ludowegs

Rt. 1 Box 60, Dumont, NM 56236

I'm very much against this radar site. I do hope it will not be built here. My husband works for a farmer, and if this is built in the Dollymount site, it will affect our lives very much. My husband will lose his job because of the land lost to the farmer, plus he will lose the place where we live. This also is in the site if chosen. Our children will have to leave Wheaton School District, which they are not happy about because they will not be able to finish school in Wheaton. We have no jobs available for us here, so we would have to leave this area. It will be hard to find work. My husband has done this for 19 years. No other training for us. Please do not put it here in our area.

Mildred Meyers

208 1st Ave. So., Wheaton, NM 56296

The farmers have been snuffing each other out by buying up huge tracts of land and burning the trees around the homesteads. Those same farmers have under the same flag that flies over me then expect protection yet don't want to sacrifice anything for their own protection. I strongly believe that the location of our country must be in the best judgement of the scientists, and even though it will not make us rich, it may make us safe.

Mrs. Lois Hasbucken

Rte. 2 Box 98, Wheaton, NM 56296

I am very much opposed to a radar site to be in Traverse County. I don't see why the radar site needs to be stationed in a farming area, when there is so many wasted areas that can't be used for anything worthwhile, like the bad lands and Black Hills of S. Dak. Why waste our tax money on a system such as this, to upset our way of life. This

Wheaton

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country is to be the Land of Freedom, isn't it? Let's keep our land beautiful. We own our farm, and we certainly do not want to give it up to this radar site. This is our security, our love, and homestead rights we have worked so hard to achieve. I certainly question the necessity of such a site in Traverse County. Just think of the loss of agriculture land, radiation health hazard, family farms and most of all the waste of our tax money!

Lawrence V. Anderson

Beardsley, MN 56211

G3, G6, G8

We have land in the proposed Wheaton SW site and live only one mile and 1/2 away from the site. We are against building the station in this area. There are many reasons for not wanting site as health, loss of homes, loss of farmland, loss of taxes.

Rodney Thiel

RR 1 Box 10A, Dumont, MN 56236

G8

My family is absolutely against the Central OTH-B radar system. The system would take up most of our farmland in the SW section. Three families live off this land. My family has recently moved to the farm from Wheaton. We have a son, 7, a daughter, 4, and one on the way. How can I tell my son or daughter the farm will one day be theirs if they want with all the unanswered questions about the health hazards. I don't know if I would want them to live here. It really scares me. It really makes me wonder what kind of government we have if you just come in here and take over the land.

Everyone is against it. I don't see how you can even think of putting that radar system here in Traverse County.

Lynne K. Barker

Rte. 1 Box 35, Morcross, MN 56274

G2, G4, G8

I am very much opposed to the OTH-B radar site which is possibly being considered for the Traverse County area in Minnesota. My biggest concern is the health hazard it could pose. I am not convinced by the information the U.S. Air Force has released, that this project is "safe." The studies that have been conducted were not done on a long-term basis. As the proposed radar site could be in operation for 20 years, I don't feel the information obtained is satisfactory to make the decision that it is not going to affect the health of those living near it. Since the radar equipment could very possibly be obsolete in a few years, and any land obtained by the government may be used by the same for whatever purpose deemed "necessary," I wonder what will be

Wheaton

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slipped in in place of the OTH-B equipment. The thought of maybe a nuclear waste dump site has been brought to mind. I do not want this in my backyard either!

For the health and safety of my family, myself, neighbors, and any who may be affected, and for the continuation of our livelihood and quality of life, the proposed OTH-B site should no longer be considered for our area!

Kathleen Burgess

RR 1 Box 97, Roshort, SD 57260

G2, G3, G4, G6, G8

I am concerned about your radar base affecting TV and CBs that I own, about possible radiation effects, the possibility of wasted tax dollars, when this becomes obsolete, the possible use of the land for a toxic waste dump at a later date, the families you are affecting by kicking them off their land which you call "your" land under eminent domain, the unsightliness of it all, and the possibility of it being a target in a nuclear attack. Also, I'm concerned with the fact it can't be by powerlines, and it is. I am against this installation near my home or anywhere else. It will have an extremely harmful effect on birds, wildlife, and the people and prime Red River Valley land. It's possible you think that the good outweighs the bad, and I suppose regardless of how we feel, in the end someone somewhere will get stuck with your mess. I'm sure that although you chose to ignore those of us in this community, you will in the end come to regret putting it anywhere near us.

God takes care of his own, and should your base become a reality, I hope you have made plans for what to do in case of a tornado, because although we all are real neighbors, we won't help you clean up your mess!

Money can buy some people, some of the time, but not all of the people all of the time. Someone will get hurt, and it's likely to once again be the farmers. Do you believe in kicking a dog when it's down? Or do you believe in doing unto others as you would have them do unto you?

I'm sure if you use basic intelligence and a few morals you will come to the right conclusion. No radar base!!!

Randall L. Behrens

RR 1 Box 49, Dumont, MN 56236

G3, G8

I live on the NE 1/4 Sec. 4 Leonardville Township, which is within the Wheaton SE site. I grew up on this farm. My Dad worked all his life to build this farm, and I hope to pass it on to my son someday. We don't want to give up our farm. We want to stay right here!! We are located on the southern end of the Red River Valley, some of the best farmland in the country. Now can the Air Force even think of taking this kind of land out of production.

Wheaton

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I am also concerned about the possible health effects caused by radiofrequency radiation. There would be a lot of people, livestock, and wildlife affected in this area--or any place else in Traverse County.

Mrs. Roy M. Masbaken

G4

Box 125, Dumont, MN 56236

Dear Sirs:

In my opinion, there is absolutely no reason not to put the OTH-B in Traverse Co., MN, except greed on the part of a few very vocal, greedy landowners. Who, by the way, want everything their government will give them but expect that they will never have to do anything for that government!

We need a good defense and we in MN with our missile-loaded neighbor M.D. had better realize this soon!

Do what you see is best for America!

Also, please ensure that the land will be returned to agricultural land upon discontinuance of this system!

Wheaton

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4.1.3 Langford, South Dakota

Mrs. Sherman Cavanaugh

Countryside C 24-W, Benson, MN 56215

Most importantly--where is the route? Wondering if it goes across my land in Farmington Township--Day Co., S.D.

Connie Williams

Box 898, Britton, SD 57430

Is there some assurance that should the project be implemented in Marshall County, the employees will reside in Marshall County?

Gene Caszale

RR 2, Box 210A, Groton, SD 57443

Strongly opposed and question.

Gordon L. Amundson

Box 105, Langford, SD 57454

Concern is expressed as to electromagnetic interference and/or saturation of atmosphere radiometrics to the extent that extremely minute signal levels received by TVRO Satellite Systems may be affected. Also, will there be a band of "blackout" of certain signals used in public communications and if so, how much?

R.G. and Arlene Anderson

Box 63, Andover, SD 57422

We have a half-section in the proposed site. We would not be interested in selling at the land value quoted in the impact study. We may be interested in negotiating a lease.

Langford

1

Scott Parsley

East River Electric Power Cooperative, Drawer E, Madison, SD 57042

Directly adjacent to the east of the Wheaton North site there are 15 sections of land that have no one living on them so would therefore require no relocation. My information indicates that one party owns four of these sections.

Should the proposed site not for one reason or another be used for the OTH-B transmit site, there is land in Roberts County adjacent to Marshall County that could be made available for the project.

Wayne J. Nelson

RR 1 Box 17A, Langford, SD 57454

I would be interested in talking to you about selling or leasing my land in Hickman Township, Sect. 9. There is also a lot of land to the north of me that no one lives on and is wide open and flat with no obstruction. I think it would be a very good location for you to look at, and I would be happy to visit with you about it.

Ed Mallett

Box 587, Britton, SD 57421

What effect will this system have on a (grain elevator?)

Robert James Erdmann

Rt 1 Box 28, Andover, SD 57422

I was at the meeting last night at Langford, So. Dak. It seems most people do not want anything to do with your program and location. I live 7 west of Pierpont and 1 1/4 north. In my area for a few miles, it is wide open space--only about 3 farms in the area. Also, the land is in 4 townships, all combined in one group and 2 counties, which might be good for not pulling all land out of one group. This land is a few miles further west than your map has planned. But I am sure it would be a lot easier to deal with. I will give the land description on back of this sheet.

North Andover Township, Day County

Township 123W Range 19W

Section 6 and 7

Langford

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Farmington Township
Township 124W Range 59W
Sections 4-5-6-7--8-9-17-18-19-20-30-31

Brown County

Groton Township
Township 123W Range 60W
Section 1 and 12

Riverside Township
Township 124W Range 60W
Sections 13-24-25-36

I hope you will consider this land in your planning. It would be cheaper land and only 3 farm sites to deal with and they are older and smaller buildings to deal with. I have land in this group in both Day and Brown County.

George Hanson

RR 1, Box 38, Claremont, SD

I live close to the proposed site, and would be interested in selling or leasing my land.

I live in Sec. 8-125-59 in Marshall County.

Rich and S. Waldner

RR 1 Box 41, Claremont, SD 57432

I am writing because I strongly oppose the OTH-B Radar System. It has a bigger effect on the Amherst area than written in the environmental impact analysis book. First of all, the study on the migrant route between Sand Lake Refuge to the Sisseton hill. We have the most geese--Blue geese, snow-geese, Canadian that migrate to the north in spring and south in fall. The geese flying north feed a lot in the area. The geese flying south feed 2 to 3 weeks before flying on. During the feed period the geese fly a lot of times no high than 100 feet. In your environmental impact analysis talking about a study flying 1,000 feet high. We have a lot of fog and drizzly rains in our area, which would cause the birds to collide with the antenna. I feel they would definitely collide with the antenna at that height.

I feel the HF radar waves are a bigger health hazard than stressed. I feel those waves cause a long-term effect on the nervous system on wildlife and humans. Because radio waves interfere with wildlife's nerve system. Because the high pitch wave makes them move out for good, which ruins their habitat. Talking about using 2,400

Langford

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acres in an area which has the best land and pretty well the highest price--the prices are higher than \$245 or \$383 an acre mentioned in the ETAP Book. We have bought land closer to \$1,000 than \$383. What I would suggest is you purchase land out in the Bad lands where there is no living soul around for miles.

Thank you. I hope you reconsider the Amherst area.

Mr. & Mrs. Norman Townsend

Box 24 RR 1, Andover, SD 57422

G2, G3, G4, G6, G8

Why in the world are you going to do this stupid thing if it is going to last only 20 years? The government is good at these things--build and spend money and then there it sits to rot to the ground. Who do you think is going to pay taxes, keep our schools going, health hazards? What are all these farmers going to do when we're kicked off our farms? Don't even think of relocating everybody, because that is impossible and very stupid. It took us years to build up what we have, and you're not taking it away. How do you think you're going to eat when the source of growing food is destroyed? You'll starve to death. Think about it. Our poor children who are trying to farm, and you'll just pull it out from under them. There aren't enough jobs in the cities to support everyone. Please put yourself in our place. How would you like to have someone just come, take what you've worked all your life for. It doesn't make any sense.

You're probably telling everyone how much you'll pay so you can get hold of the land, and of course it'll sound good to any farmer that's gullible enough to believe it. The economy is ridiculously awful--thanks to some more people in Washington who seem to know very little as to what's going on. If they think someone can farm with \$1.40 lot, I'd like to see how.

The tension on farms is great enough without having you step in and take what's ours.

God gave us this land to maintain during the time he gives us and that's what we're going to do.

We are very opposed to this project, so please don't consider to build it.

Thank you for your consideration in this manner.

Ricky Cole

RR 1 Box 43, Langford, SD 57454

It is my understanding it could be harmful to people, and I am a young farmer and have two small children, which leaves me to be very much against it.

Langford

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Leane Bistadeau

Route 1 Box 35, Claremont, SD 57432

G3

My husband and I attended the Langford, SD, meeting September 11. We do not favor this as we feel we will be a target if the radar system is placed here. This farm has been the home of my great grandparents' grandparents. My parents and I have lived here 67 years, and 50 years of married life. Our hopes are that our son will someday own this land. He now farms it and adjoining land that he is now buying. He has a family to provide for. We have the best farmland around.

Ruth Olson

Box 22, Langford, SD 57454

G3, G4

I am a 61 year old widow, and I don't want to see my farm levied off and destroyed, all my life I've worked for. I hope you'll choose sections of land with no farms to destroy. If my farm is chosen to go, I'm ready to sell not lease. It would be of no further use to me or my son, who would never build back up. My land is all paid for, and I see no reason why they need land with homes established on. My farm's in Newport Township on edge of Weston Township.

I don't suppose this will do any good, but I feel better about expressing my feelings about it.

Susan Volk

Rt. 2 Box 78, Britton, SD 57430

G1, G4

I believe the Air Force should have made people aware of more details regarding the OTH-B system, and that a "scoping" meeting or preliminary hearing held. As it was, residents were so vague on the facts that it was hard to ask any pertinent and discerning questions. I am not opposed to the site itself--but you are dealing with issues that deeply affect the lives of individuals--this constitutes some more substantial information. The EIS was extremely ambiguous in terms of environment and economy. You also need more guarantees on the negotiations with individual farmers. Some bought land at inflated prices, and if forced to sell will take quite a loss.

Richard Juelfs

Chr., Stena Township-Marshall, RR 2 Box 160, Britton, SD 57430

G7

We of Stena Township feel that you have not addressed the problem of traffic on our roads. We operate on a limited budget. The increase of traffic on our township roads and the extra maintenance required

Langford

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would add an unfair burden on our taxpayers. We know that you will build the necessary roads for access to the site. But it is the problem of the maintenance we are concerned with. The possibility of an annual fee on a per mile basis would seem in order.

Arthur C. Birkeland

Box 475, Bristol, SD 57219

G4

How would the value of land involved in this be determined? Does a farmer (owner) have to sell? Will he be forced to?

Montfred M. Liknes

112 Elm Street, Langford, SD 57454

G4

Why does the antenna field require so much clear land around it? Would and could this system be used to help detect and stop the drug traffic coming into the U.S. from the low flying aircraft.

When the land is leased or purchased by the government, would the price include the house or other buildings?

Robert C. Erickson, Clarence Erickson, Margaret Erickson

G8

RR 1 Box 7, Langford, SD 57454

We are not interested in selling or leasing any of our land for the OTH-B Radar System. Most of this land has been in the family for a long time and has sentimental value. Farming is also more than a job, it is a way of life, and taking any part of the farm would hurt the whole operation. For these reasons as well as the questions about health hazards, we do not wish to sell or lease the following land:

SW 1/4 31 125W 58W
N 1/2 1 124W 59W
SW 1/4 29 125W 59W
NW 1/4 5 124W 59W
NW 1/4 29 125W 59W
NE 1/4 29 125W 59W
SW 1/4 20 125W 59W
NE 1/4 32 125W 59W
SE 1/4 30 124W 58W
W 1/2 of SW 1/4 30 124W 58W

Langford

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Raymond Anderson

G3, G7, G8

RR 1 Box 37, Langford, SD 57454

We object to the building of this project. We have no intention of selling or leasing our land. The radiation as explained in your rough draft doesn't really make much sense. If you can receive burns in an airplane within 3 miles, why don't you receive burns in the same area on the ground. We feel the ground would be useless after you leave because of this. Also, the water we use.

Also, this area is a major flyway for wild ducks and geese in both spring and fall. Many years there are geese covering sections of land. They are bound to become entangled in your screens by the thousands. Also, this is prime farmland. Surely it is not necessary to take good flat land with no rocks. This is good producing land.

During the winter, our township has to wait for snow removal equipment from another area. We have no way to keep roads open to your radar. If a severe storm should come, your people would be kept at the station.

Dale A. Johnson

Box 175, Pierpont, SD 57468

I am the Branch Manager of The Day County Bank in Pierpont, S.D. I have lived here for three years. I am very interested in the radar site; I want to know the pros and cons. I probably do not know enough information to know whether it will be good or bad.

I was at the meeting and have read a lot about it. Yes, I am still for it. I am excited, and I am pushing for it. Remember that you will not hear much from the people who are for it. This is the case with anything new, etc. You will only hear from the people who are against it. Yes, I feel that we have a lot of people that want to know more about it; these people are for it.

The Press (example: paper, radio, etc.) have only talked to people who are against it. Some times these people (radical people as I call them)...

I was talking about certain people who are against something. They call the paper for an interview. They express only their opinion. Many other people read the article thinking the people know a lot about the subject and believe them. I have corrected many people on the stories I hear from the Langford and Amherst people.

Again, I feel the people who want to know more about it or favor it will not speak up like the people against it.

I ran copies of the maps and general information about the meeting and what I thought was important for the people to know. I feel we have a lot of people in the Pierpont area for this project.

I am Mayor of the Town of Pierpont and Branch Manager for the Bank. Again, I am for this all the way.

Langford

7

When we first heard about this radar system, the paper said that it would be south of Andover and north maybe as far as Langford; nothing was said about Pierpont. Later, we found out it would be from Amherst south to Langford. But on the map it shows that it will run down to Pierpont. Much of the area will be in Farmington Township, Day County, S.D. This is the Pierpont area. I have many farm customers in this area. They farm and have this land in their operation. I have visited with many in this area. I can honestly say that not one person has been against it. They want to know more about it. But are for it yet at this time.

I would appreciate it if you could please include PIERPONT, SOUTH DAKOTA, IN YOUR SURVEY AREA AND THE DISCUSSION. I feel our community will benefit 100%. We have some nice homes for sale and or rent. Also, we have some nice lots to build on. We are only 31 miles from a major city with all to offer, Aberdeen.

If I can be of any help, I would sure help you out.

P.S. I would appreciate any information you will have ready as far as the survey or any decision good or bad, any time between now and the time you make a final decision.

Your people who put on the information meeting in Langford did a superb job and should be commended on the fine job.

Kenneth Frey

G7

South Detroit Township Supervisor, RR 1 Box 67, Claremont, SD 57432

I am sure the upkeep of the roads and extra traffic will cause a financial burden on our township.

James Wiggdahl

G2, G4, G8

RR 1 Box 26, Langford, SD 57454

I want the health aspects of this system explained in layman's terms by an independent expert.

I want to know what specific parcels of land the Air Force wants in the Amherst area, exactly what four sections do you want? What recourse does the landowner have if his land is condemned and he feels your bid is too low? When will this system be obsolete?

If you can't get all the land you need from willing sellers, please take your project elsewhere.

David Viator

G4, G6

Treasurer, Lowell Township, RR 2 Box 138, Britton, SD 57430

Will you be paying a "fair" price for the land required?
Too much tax money will be lost at township level.

Langford

8

David Olson

RR Box 24k, Langford, SD 57454

We do not want this Radar System in our area!

Our land has been in this family for three (3) generations. It is excellent farmland. Under NO circumstances would we consider selling or leasing our land for this purpose.

Another thing we don't think you have realized is our sandy

ground. It is very prone to wind erosion, and all the watering would not stop it from blowing when you start moving and leveling out soil.

We feel you should consider moving your site to an area where you could acquire land in an area not so populated and from willing sellers.

Ruth Hartberg

Rt 1 Box 28, Langford, SD 57454

I am of great concern for the safety and welfare of my family. We are a third generation on this farm. My sons and I have carried on since the death of my husband. It seems rather unfair to live in the fear of having the Radar System come along and tell us we have X amount of days to relocate. Put yourself in our place for a few moments. Maybe you can realize what pressure we are under--many sleepless nights and restless days wondering what is going to happen. Our farm is in the center of the proposed location in the Amherst area. I just want you to know I greatly oppose the entire Radar System in this area.

Harlan Bistodeau

Route 1 Box 5, Claremont, SD 57432

We have serious concerns about the radar sites being investigated for our area. Our concerns center on the radiation levels emitted from these. How thoroughly are they tested? Agent Orange was "supposed" to be safe, too. We are a young couple just buying our land at an inflated price. What will happen to the value of the surrounding land? This is a fairly populated agricultural area. Why is this planned here, instead of sparsely populated areas? Why is this being planned in prime agricultural land? Agriculture is already being beaten to the ground. Is this program necessary when we already have all of these space satellites monitoring the earth? Do our tax dollars have to be wasted on unnecessary duplication?

South Dakota has given and given to the federal government. We have missile sites all over western S.D. The Oshe dam took thousands of acres of land. Now with a possible radar site, we are supposed to give more and become even more of a target!

Langford

9

How much thought goes into the disruption of families, livelihood, and health risks? Is this one of those government programs where if the funds aren't spent, there will be none allocated another year? I am sure that there are thousands of other uses and other ways to shore-up our national defense without these implications.

I am writing my governor, senators, and representatives to protest this site. From what I can see from the material, we are at the limit edge of the range for the transmitter. Surely this needs more study.

Mrs. Richard Gullickson

Route 1 Box 36, Claremont, SD 57432

G1, G3

Why didn't we have a meeting in June like Wheaton, MN? Why did Gov. Perpich not want a transmitter located in MN? Why has only Andover been mentioned until Sept. 1986? Why Amherst, Langford, Claremont? Do you know there is no railroad going through Langford (from Andover to Britton) any more?

I look to the east (1 mile) and see thousands of geese going south. Last year, my son and neighbors shot 8 deer less than 2 miles from our residence.

Our land (160 acres) is the best land in Marshall County. Our land has been in the family 104 years and is the only place my husband has lived.

If you must have 2,400 acres of land in Marshall County, why couldn't it be north of Highway 10 (instead of south)? The cost of this project boggles my mind.

Verdon Swanson

c/o Kevin Swanson, RR 1 Box 19, Langford, SD 57454

G8

Some of the land you are considering for your S.D. site has been in our family for 100 years, and we want our children and grandchildren to continue farming it for many more years.

We are concerned about health hazards: radiation.

We have a lot of waterfowl and wildlife in our area and don't want them disturbed.

Langford

10

4.1.4 Hillsboro, North Dakota

Fred Olson

Box 119, Max, MD 58759

G3, G4

I oppose the sale of land for the radar base in Rugh and Ora Townships because it is (1) very good land and I paid a good price for it; (2) wildlife is sighted [?] up on it; (3) put it up in McVillie, they want it.

It would split up my land south of here. For some farmers you take only to the land. I was going to buy more but you will increase the value of the land.

There would be no neighbors in Rugh Township, and they would be against it. You only care more about the ducks and the prehistoric mounds than the people who built this country. It will cut our operation in 1/2, some of the farms in Ora and the other in Rugh.

Wes Ecker

RR 1 Box 77, Grandin, MD 58038

G3, G5, G6

I am opposed to using our high quality soils for military reasons. These should be some less productive areas that could be used.

Also am worried about weed control--water problems in spring and tax base loss.

Marie Stokke

Grandin, MD

G3, G8

Please do not consider using our good rich black loam soil when there are hundreds of acres of alkali, sandy, no good land lying unused which could serve the purposes you are suggesting. Our land is needed for growing food for the hungry here as well as abroad.

We do not want an "Agent Orange" situation in this area.

Trall Co. Weed Control Board

Hillsboro, MD 58038

G3, G5

The Trall Co. Weed Board is opposed to using prime cultivated farmland for anything but growing food. Uncultivated land soon grows up to weeds, and noxious weeds are a great expense to all taxpayers. By State law, noxious weeds inside a fenced area must be controlled.

Hillsboro

1

Glenda Smith

RR 1 Box 9B, Cummings, MD 58223

G2, G3

My family home is located in the Blanchard study area. My husband and sons now farm that land, and my parents maintain their home there. We are definitely against locating the receiver site on land in this area.

This is prime farm land. It is some of the most productive in the midwest. Its black loam soil, rainfall, and growing season make it adaptable for a wide variety of crops. There is so much marginal farmland that could be used for this purpose.

A radar receiver site located in this area will destroy a way of life for so many farm families. For neighbors left in the vicinity, it may cause health hazards, unknown as yet, as there hasn't been enough study done on it.

There must be an alternative method for carrying out the proposed radar need. Can we as a strong nation continue to destroy the fertile land God left in our care.

GARY Smith

Trall County Weed Control Officer, Box 526, Hillsboro, MD 58045

G5

As a representative of the Weed Control Board, we are against the location of the receiver proposed location in the Blanchard study area. My question concerns the weed control to be used on the site, around the fence, on both sides. Who is to maintain the control and by what means? The blue book states that the land would be returned to natural vegetation. That would have been fine 80 years ago. Unfortunately, man has infested, over the years, the land with many weeds. Ten of these weeds are termed noxious and must be controlled from spreading onto farmland. These weed seeds can be spread by water and wind currents. Birds spread seeds in flight, and man carries them on machines. The M.D. noxious weed law states that these weeds will be controlled by the landowner or persons in charge of the land. It states that the noxious weeds will not be let go to seed and that no propagating parts will be moved with the soil.

Harold Stokke

RR 1 Box 84, Grandin, MD 58038

G3, G6

Opposed to taking premium land. Will be hard to keep up our country roads. There is lots of marginal land it could be put on. Our tax base will have much to do with our schools. We have surpluses today but it might not always be that way.

Hillsboro

2

Keith Kaldor

Pres., Traill Co. Farm Bureau, Hillsboro, MD 58045

The Traill County Farm Bureau supports any opposition to the location of the OTH-B Radar System in Traill County.

Lorrie Jerde

RR 2 Box C-58, Hillsboro, MD 58045

As County Supervisor of Farmers Home Administration, U.S. Department of Agriculture for Traill County, I have received comments and concerns from my borrowers in the proposed site area. A copy of the EIS draft may answer some questions. Also a copy of the final EIS could be helpful to have for reference in our office. Thank you.

Traill County Farmers Union

c/o David Eblen, President, Rte. 2, Hillsboro, MD 58045

The membership of Traill County Farmers Union, meeting in convention on November 15, 1986, unanimously passed the following resolution:

The Traill County Farmers Union supports the National Defense but be it resolved we oppose the use of prime farmland for the placement and construction of the Horizon Back Scatter Radar System. Attested: David Eblen, Carl Amb, Leland Olson, Paul J. Satrom, Dallas Boedeker, Olav L. Aarsvold, and Thomas Vettel--Officers and Directors of the Traill County Farmers Union.

Agnes Haugen

130 6th Street Southeast, Mayville, MD 58257

I am opposed to the placement of the Central OTH-B Radar System in the Galesburg study site for the following reasons:

- As a senior citizen approaching retirement, I had anticipated a significant portion of my retirement income coming from the lease of my farm property to my daughter and son-in-law.
- The real estate is a prime breeding area for whitetail deer and a migratory route for waterfowl.
- The loss of tax revenue to local government is substantial.
- The loss of farm related business sales to local suppliers will have a disastrous effect on the local economy.
- Local school districts will lose students, taxpayers, and state and federal revenues which are based on per pupil enrollment.

Hillsboro

3

Olav and Marilyn Aarsvold

RR 2 Box 12, Blanchard, MD 58009

G4, G6, G8, G9

We own and lease farmland both within and adjacent to the proposed sites in the Blanchard and Galesburg study areas. We are opposed to the siting for the following reasons:

1. The loss of our livelihood as farmers. Being in mid-life, we have little opportunity for other employment.
2. The economic loss to our local governments and school districts due to lower tax base.
3. The social and economic impact on adjacent small towns will be significant. Farm machinery outlets, repair shops, and all agricultural related businesses will have much difficulty. Families will be forced to leave the area to seek employment.
4. Electronic equipment which we currently own and use both for business and entertainment will probably become useless to us.
5. Migratory and resident wild game [will] be harshly affected.
6. Health concerns remain in our minds regarding errant microwave radiation.

O. L. Aarsvold

G6, G7, G8

Clk-Treasurer, Greenfield Township, RR 2 Box 12, Blanchard, MD 58009

The Supervisors of Greenfield Township, Traill County, North Dakota express the following concerns and questions regarding the placement and construction of the Central OTH-B Radar System in the Blanchard and Galesburg Study Sites:

1. Loss of revenue to Greenfield Township used to maintain roads.
2. Maintenance and construction of township roads used during site preparation and construction.
3. Consequences of snow catch and spring runoff caused by construction.
4. Health considerations caused by errant microwave rays.
5. Loss of agricultural related business in local communities.
6. Local zoning ordinances will be violated.
7. Unforeseen costs that the township may incur before, during, and after construction.

Respectfully submitted, Joel Halvorsen, Arden Paulson, Marle Widley
- Supervisors, Greenfield Township.

Hillsboro

4

Lee Kaldor

RR 1 Box 61A, Hillsboro, ND

G6

The tax loss incurred by our Hillsboro School District would be at a minimum of \$6,936.00, not including loss of students through displacement at \$1,555 of State aid per student. This appears to fall within the 10% of valuation--therefore, no impact aid. I believe that this is wrong, there should be aid based on yearly loss times the expected years of use or ownership by the Air Force.

Norris Ostmo

RR 2 Box 110, Northwood, ND 58267

We would like some information on the Over-the-Horizon, or I should say, map, on the area of the sites proposed.

Joseph H. Hanson

Route 1 Box 104, Finley, ND 58230

I request information that can [be] submitted to landowners or persons affected by this system. In particular, our people would like to know [the] type of installation planned for certain areas. We as commissioners are asked questions that we have no way of answering. It seems as though more general information should be made available.

Kenneth H. Volla

Route 2 Box 29, Mayville, ND 58257

G3, G4

None of this radar stuff is of any real value to the community or area, and doubt if the prime farmland you are after ever be any good after military uses it, even if only 20 years.

When land is ever taken for these purposes, you should be willing to pay way above its market value, as will be ruined forever. If ever were to be used as farmland, after your use of it, lots of steel and concrete to get rid of, would be a huge expense.

You can certainly keep out of good prime farmland, and consider using poorer quality land somewhere. You've already have taken good farmland for Minot and Grand Forks air bases, and missile silos, too. North Dakota has done a lot.

I do not wish this radar on anyone, even if needed, but we certainly don't need it here.

I have lived here and in this area for 49 years, and am pretty close to your plans at Blanchard. It would be a disaster to be chased out.

Hillsboro

5

This whole thing has been far too secret about many aspects of it, and being such a rush all of a sudden, has never been enough meetings and held at the wrong times, like in harvest.

Peder M. Locken

RR 1 Box 65, Aneta, ND 58212

G2, G3, G4, G5, G8

I am opposed to this system for many reasons. The main reason is our farm is in the study area. I have worked on my Dad's farm for many years and have just gotten everything in shape. It seems to me the land is better used as farmland than this system. Do we really need it or will it just stand empty in a few years like Nekoma, the Minot radar base, and Finley radar base? We know it will have a visual impact. Air and health problems are real. It will also affect wildlife in the area. We have a lake (Rugh) west of our place and also some hills. This is a good place for hunting. However, if such a thing is put up here, it will interfere with that. Our farmland is as good if not better than in other areas. I hate to see it wasted. I have a lot of stuff bought on Dad's farm, and if you make him sell, then I would have to move or sell it. I can't see why we need this system anyway as we have one on the east and one on the west coast; why can't we have a series of smaller systems like up near the pole. Our farm has sentimental value and is a smaller family-type farm and should be preserved.

If we get Star Wars won't that make this system obsolete? Then it will be not used for anything unless (maybe) a nuclear waste dump. I feel that there are much better ways of spending money than on this system. One thing is too much land is wasted. Sure you buy the land, but at what price? Who knows if land will not be worth more later on. If you lease the land, that is no good because it would be at about \$25 to \$30 per acre (not nearly enough). Land prices and cash rents are down from what they were. Some people want to sell because they are losing their land to the bank or something--buy it from them. They want it up by McVillie. I live in Rugh Township, and most people here don't want it, at least the ones who know about it, I was told by my cousin who knows more than anyone here. Here are the main reasons then 1. good land, 2. good wildlife habitat, 3. don't really need this system--build something else instead. I will oppose this system if you should decide to put it here. It would destroy our farm. Dad says it will do no good to fight it, but I hope it will help. If it is put in here there will be no neighbors and no one left to pay taxes for road repair and maintenance and pay taxes to keep our school going. We didn't have many people speak up for us at the meeting so I am afraid you just might want it here. I guess they are like me, not too good to talk in front of a whole bunch of people. I wish I knew what to tell you so that you won't put it here. I think we have too much snow for such a system to be practical here in M. Dak. Also flooding could be a

Hillsboro

6

problem. Put it on no good land. I'm sure many will want to sell that to you. I saw Mekona and thought what a waste. We don't need anything like that here. A whole lot of antennas are not a pretty sight, nor is a large fence. Surely you can think up something better. These are some of my thoughts on the matter and would say more but I'm running out of paper. Thank you for reading this.

John Vein

G1, G4

Box 329, Niagara, MD 58266

I would like an answer from you as to why I was not informed of the fact that my land was in the study area. I never received any letter specifically stating my land was in the study area. Had I known I would have taken in and given more input at the public hearings. Many of my neighbors as myself have heard of the Dahien study area but did not know we were in it when we live this far away.

Marvin Sand

G3, G4, G6

RR 1 Box 2, Clifford, MD 58016

I am not against OTH-B but am against using prime farmland for it. Southeast of the Grand Forks air base is what is known as Alltal Plate (grass land), or south of Leonard, W Dak is government-owned rangeland, and there are other areas not as productive and less populated that I think should be considered. I've put years in building up my farm, new buildings, etc. I don't want to give it up. I also know how the government handles their roads to missile sites, snow removal, graveling, and weed control; all have a lot to be desired.

Our local elevators are going to be hurt by loosing 3 to 5 hundred thousand bushels of grain a year through loss of acres. If land is to be bought, will it be assessed (appraised) at current market value? We've lost 3 to 400 dollars per acre in the last 3 or 4 years because of depressed economy--all our equity. Hopefully in two or three years, it will be back where it was. Thank you.

Helen M. Vinie

Mayor, Box 29, Clifford, MD 58016

My opinion of the installation of OTH-B Receive Site in this area of W.D.: the farmers and general public of a "site" area of this type will be "losers" as they have always been when any military moves have been made. As is the case in communist-controlled countries, the general public is expendable, an age old concept since creation. Those with "power" control and "use" those who are not in power.

Hillsboro

7

We could make better use of the millions of dollars needed for this so-called (obsolete before installation) protection, for example, border patrol on our southern Mexican-American border, and making an effort to learn to know and understand our neighbors and be responsible for the actions of our people when abroad.

Mark Porter

G3

Box 63, Grandin, MD 58038

I don't think it should be built on private land; use government land.

Mr. and Mrs. Melfred Locken

G4

R 1 Box 66, Aneta, MD 58212

I disapprove of the Radar Site on my land in Rugh Township as the farmland is the only source of income. I don't want to sell it.

Keith Porter

G2, G3, G5, G6, G7

P.O. Box 111, Hunter, MD 58048

1. Our area is subject to flooding 4 out of 5 spring seasons. 2 feet of water common on runoff.
2. This will ruin the value of the community.
3. The soil in this area is impossible in wet weather. Black gumbo will stick to everything.
4. The roads will never stand the loads.
5. Family farms would be split.
6. Tax money loss not spelled out in any good and guaranteed way.
7. Wildlife habitat would be disrupted.
8. This monstrosity will be obsolete before it is finished.
9. North Dakota has been dumped on enough with crazy ideas that never worked.

We don't want this damn thing on our land, now or ever.

Thomas Eblen

G3

RR 2 Box C45, Hillsboro, MD 58045

I am a farmer from the Hillsboro area. I am also involved in farming interests in the impacted Blanchard site. Also, I have been elected to the County Commission from Trail County. My personal opinion on the OTH-B System is that by your own admission it can be

Hillsboro

8

moved 100 to 150 miles in just about any direction and still have the range to do what it is supposed to do. There are many locations within this radius that are marginal land and would serve your purpose. Use one of these locations and don't use up some of the best farmland in the world, mess up some very good families' lives, and as an end result end up with an eyesore that will totally disrupt the drainage in the area that has taken years to establish and will cause flooding and destroy farmland and crops in the eastern half of the county. As an elected official from this area many people have talked to me and expressed their concerns over this project. None of them are in favor of it. At the Hillsboro informational meeting on November 18th, you had many testimonials against this project. My only regret is that I didn't ask for a show of hands from the people asking how many were against this project. I am quite sure 99% of the people would have voted against it. The point is, gentlemen, nobody from this area wants your radar system here. Please take this into consideration when you make your final decision. Thank you.

Yarna Ecker

RR 1 Box 76, Grandin, MD 58038

You people did a good job explaining at Hillsboro meeting. Thanks for coming.

We don't want our prime farmland used. Must be land available not used for crops. Concerned about health issues--current traveling in the ground and stray voltage.

Concerned about water control, drainage, and weed control.

Dean Ecker

Grandin, MD

Most every spring as the snow begins to melt, the water fills up many sections with water in the land considered in the Blanchard study. This could prove to be quite a problem in using your equipment here. Thank you for having the hearing.

Bernice I. Porter

Box 111, Hunter, MD 58048

Prime family life and farmland will be devastated.

After 20 years or sooner when it becomes obsolete, it will become a refuse dump.

It will lower the value of surrounding land.

Hillsboro

9

The biggest problem is drainage. The geological report was not complete or authentic.

We do not wish to sell our land!

Hunter Grain Co.

Hunter, MD 58048

Hunter Grain Co., a locally farmer-owned cooperative, with its headquarters in Hunter and a branch station at Blanchard, would stand to lose a great deal in yearly sales of seed, fertilizer, chemical, and fuel. The proposed site lies in the middle of our trade area. We also provide services to apply seed, fertilizer, and chemical. As a licensed and bonded company, we buy and sell the grain produced on this targeted area. We estimate to lose \$500,000 a year in sales if the site were to be located here. We support the local citizens urging you not to put a radar site at this location.

Mr. and Mrs. Maynard Satrom

G3

Our farm, all of the land we farm, is included in the North Dakota-South, Galesburg (Receives). We are very concerned about this. As you've probably heard before, we have been struggling the last few years in farming and now this is one more obstacle you are putting on our shoulders. Why? We think it's time the government takes a good hard look at just how important our farmland is. We don't need 2,400 acres of this precious land used as a backscanner operation. You're asking us to give up our 3-generation farm--maybe our land which is feeding the world is more important than this backscanner--please consider our points carefully.

John Tate

Hunter, MD

G3, G4, G6

1. Question--Why is the government trying to take this prime farmland and destroy it when it has designed this radar system to protect it? We have a surplus of grain now but it may not always be that way in the future.

2. Question--What is to stop the government from turning these areas into nuclear waste dumps after twenty years or less if the project is scrapped when construction is completed? There are other areas that have had obsolete equipment put in before construction was completed.

Hillsboro

10

This project could turn out the same way five years from now and you will have ruined the land for production by mixing up the clay and subsoil with the topsoil in construction.

3. Question--What would these antennas sound like with a thirty or forty mile-an-hour wind blowing through it, and another landowner was living nearby? This system is going to devalue the nearby land because nobody will want to buy or live alongside it.

4. If the land is leased or sold to the government and the radar system is decommissioned in twenty years or less, who is responsible for putting it back to the natural state or reclaiming it.

The reclaiming cost will be too high for either the landowner or person to get it back. The cement foundations will all have to be buried.

5. Question--Why can't this project be put on land that the government already owns and not disrupt this highly productive area and its people?

In conclusion, I'm definitely opposed to this radar system being built in the Blanchard study area.

I'm one of those people who are not willing to sell or give up this good land easily.

Dennis Peterson

Grandin, MD 58038

Thank you very much for having a meeting at Hillsboro I am glad you finally figured out that people live in the affected area. I don't think you realize that the land is part of our lives. Many of us have put in 20-hour days to get the land worked in time to pay for it and our livelihood. We will continue to oppose this catastrophe with all my power.

James W. Hovess

1801 S. Flagler Drive, #1002, West Palm Beach, FL 33401

I am an owner of the north half and southeast quarter of Section 12, Township 14N, Range 52 in Traill County, North Dakota. We are favorable to the idea of a Radar Installation. I favor leasing our land.

Hillsboro

11

G3, G6

Paul S. Erickson

Route 1 Box 83, Galesburg, MD 58035

It would seem that there should be less productive and less populated land that could be used; that would be less destructive to the economy and people. [Signed by Philip and Gilmore Jondahl, Hope, MD 58046]

We also feel that less productive land could be found and not deprive people of their livelihood. [Signed by Sigrid and Paul Erickson]

Representative Curt Alankin

53 1st Ave. S.E., Mayville, MD 58257

It is my concern that we are perfectly sure that health will not be affected by the placement of the backscatter system. I don't believe that the citizens of North Dakota, particularly the Traill County area of which I represent, should be used as guinea pigs for the benefit of the Central Radar System. I would hope that you check very, very carefully into this matter before you make a possible life-threatening situation if that be the case.

Gerald Radebaugh

Route 1 Box 57, Grandin, MD 58038

My main concern is the taking out of production some of the richest land in the world. I should think areas of poor soil--gravelly, rocky, swampy--could be found and used. Also, the loss of tax revenue disturbs me at a time when our schools are already in trouble financially. Drainage could also be a problem without extensive work. I should think this system would be more effective at a higher elevation, such as further west. For these reasons, I am opposed to placing the Backscatter receiver in the Blanchard area or anywhere on good productive land. Thank you.

La Mae Radebaugh

Route 1 Box 57, Grandin, MD 58038

The land is far too rich and productive for the backscatter receiver. We need the tax dollars for our local schools.

Hillsboro

12

Winnifred Jane Kopansker

Hillsboro, ND 58045-0041

For years (30+), the prairies of the Red River Valley of the North have been severely misused: fields leveled; natural draws, shelterbelts, wildlife, roads, field margins, ditches, trees: DESTROYED. Many native wild flowers, birds, insects, animals: EXTINCT. Poor farming: improper rotation, wrong plantings for soil types, overtilage, chemicals (pesticides, fertilizers, herbicides) have eroded the soil (either blowing or flooding) (no till: no structure). This has also led to POLLUTION, ACID RAIN, UNTOLD ALLERGIC manifestations, even illness and death.

HOMESTEADERS were allotted land to use as farms (homes within): a trust. Our farm was such, has been, still is, for over 100 years. One wants to keep AS IS, to reserve, to preserve, to conserve. It is understandable to not want to break up farms. BUT many sections are void of trees, desolate, flat, eroding, and might be ideal sites for receiver sites. Living near one would be no problem. Off-B could be no worse than the terrorizing. (i.e.) noisy beet-hauling trucks in harvest, the eroding soil, the poisoning (spring 'til fall): the damage done to the environment by the "phony" farmers.

Margaret Salton

RR 1 Box 67, Hope, ND 58046

G2, G4

I think what you plan to do with our land is stupid, and you did the same thing a few years ago by putting in the underground missiles, and they didn't work so you covered them up, and it seems to me that the government can find better ways to use our money and our land. What of our wildlife? I lost my husband 25 years ago and had 3 small children, and we have worked hard to save our farm, and I just don't think that the government has the right to take our land.

Hillsboro

13

4.1.5 Britton, South Dakota

Sandra Blatodene

Route 1 Box 5, Claremont, SD 57432

G3, G6, G8

I have many concerns about this system. One of them of course is the health hazards. How safe is it for fetuses--old people? Can it be proven safe for BIRs than 15 years? Isn't it true that there is a buildup of radiation? It can't be compared to a microwave oven--they aren't in operation 24 hours a day.

This will require a great deal of electricity. What about the transmission lines for the electricity.

What are we supposed to do for a living if the land is taken? Won't this make us a target for enemy missiles?

The land taken on the East Coast was not prime agricultural land--this is.

Ray A. Pulfray

1722 Melody Lane, Aberdeen, SD 57401

G5, G8

Will the land be sterilized?

Microwave 1 mW/cm² - 5 mW/cm²

CB radio antenna - 0.5 mW/cm²

Will the area (the transmit site) be continually monitored for radiation emissions? Will this information be public?

Don Frenigan

No address.

How many people live within the site? Could you have a show of hands?

Robert James Erdmann

Route 1 Box 28, Andover, SD 57842

G3

I would sell my farm if the price would be fair. I have 387 acres and I am sure there would be land available that joins my land. There are only a couple of farms with buildings here. I live 7 west of Pierpont and 1 1/4 North. My land is in Farmington and Riverside Townships, Day and Brown County. I gave you the legal description in my letter after the Langford meeting in September. I hope you will give me a check-out if you have any problem in your chosen area. Thank you.

Britton

1

Richard Wismer

Route 2 Box 23, Britton, SD 57430

I attended the Britton meeting last night 11/19/86 and am sorry now that I didn't say something. The Aberdeen paper reported virtually no support at the meeting. I am sure that way over 1/2 the people at the meeting were not opposed to the site. The nitpickers that spoke are against any change.

I sent you a map of our land which is too close to town but the Don and Ron Jarrett land would be ideal.

I am a 3rd-generation Britton resident with an engineering background. If I can be of any help, please contact me. Check with Britton Mayor Deloris Henahan as a reference.

Chuck Liknes

Box 412, Britton, SD 57430

I would first of all like to commend Col. Lee and the rest of his staff for a well-presented program at Britton. Although they heard mostly from the opposition at this meeting, not everyone in this community is opposed.

The fact of the matter is that a goodly number of community residents are quite happy about this area being considered. Some have stated that they would be proud and happy to have the Air Force as a neighbor. Many feel that any job opportunities it may offer would have a very positive impact on this area. Hoping this area will continue to receive consideration.

Maynard G. Eikeme

602 5th Street, Britton, SD

It would be a big boost to the Britton Community to have the Radar Site close by. We have a son that was in Thule, Greenland for four years and is now at Clear, Alaska, on the Radar Base for 5 years, and he enjoys his work.

BDM Rural Water System, Inc.

P.O. Box 49, Britton, SD 57430

BDM provides a rural water supply to residents of Brown, Day, and Marshall counties. The system has buried PVC pipe in the area, ranging in size from 8" to 1 1/2" pipe. We have enclosed a map showing the locations of the pipe (received, but not reproduced here). Should the selected area cross one of BDM's lines, we would be concerned about line

Britton

2

maintenance procedures, i.e., access to the line for repairs and inspection. We would like to know if this would mean moving some of our line and if BDM would be reimbursed for having to take such action. BDM does hold easements for all of the private land on which the pipe is buried.

Note: The page numbers for the map sheets are in the lower right-hand corner of the pages. There are four sheets enclosed that span the entire area under consideration.

Bill and Phyllis Fisher

P.O. Box 181, Amherst, SD 57421

We live in Weston Township, Amherst, South Dakota.

We feel the OTH-B radar is not necessary as it is a overkill of the coastal systems you already have in the production stage.

This land has been in our family for 65 years, and we are not going to give it up.

The bottom line to this is we are going to fight back to retain our land.

Wayne J. Nelson

RR 1 Box 17A, Langford, SD 57454

I would be interested in talking to you about the sale or lease of my property. It is in Hickman Township, Section 9, Marshall County, South Dakota. There is also a lot of land north of me that may be available if the landowners were asked. There is no farm as powerlines or anything that I can see would be in the way. Sections 2, 3, 4, 5, and 6. I cannot speak for these landowners, but they could be approached.

I think this project could be a good thing for this area and I would like to see you put it here. There is also a lot of other people I have talked to that think so, too.

Byrton Rademacher

RR 1 Box 88, Amherst, South Dakota 57421

We are not in favor of having the Over-the-Horizon Backscatter Radar System located near Amherst, South Dakota. We feel there are numerous unanswered questions about the long-term effect on humans, land, cattle, birds, air quality, and the total environment. We are an agricultural community and do not wish to see any land taken out of production for the Backscatter Radar System. This area is our home....we like it here....just the way it is. Thank you.

Britton

1

Harvey C. Binger

Box 925, Britton, SD 57430

As a resident of Britton, I hope you can see fit to install the radar installation in this area. I have talked to area farmers who would be willing sellers of land. I believe this could help the failing economy of Britton and other small towns in the area. I would like to this as close to Britton as possible. I believe there would be more farmers willing to sell if they were contacted personally rather than at a public meeting. I believe that if a local person was with your Air Force people when contact was made, more could be gained by you. I am on the Britton City Council and will give you all the help I can.

Ella Impacoven

Box 607, Britton, SD 57430

I think we need this system, but it should be placed on land not available for farming--very fertile but too sandy.

This should be placed in sections 30-31 and 32 in Dayton Township 128W Range 59N, northwest of Britton. Also section 6 in Stena Township 127, Range 59W.

Some of this land would need to be leveled. This would be a small expense to the government. Less environmental study would be required; no one lives near. Powerlines would not bother anyone.

This is the only place in Marshall County where no one is going to object to its location!!!

Michael B. Nelson

RR 1 Box 35, Langford, SD 57454

I am very concerned about the health aspects of this radar system. I have 2 small boys, and I don't want to risk taking chances with their health. I feel the U.S. Air Force is sometimes very slack with the health aspects of their system, for instance: agent orange was supposed to be safe, but the Air Force found out that it was not safe. You take the country USSR, they have set their health aspects much higher than the U.S. has on radar, now that is something to think about.

You say you will monitor the radioactivity of this, but would you shut down if radioactivity got too high. I have my doubts if you would shut down or even say anything to people around here for fear of the publicity of the press.

You would think that the U.S. Air Force who put men on the moon could find a place to put their radar system so it would not affect the health of the people or destroy a person's way of life. There are many

Britton

4

G3, G4, G8

G3, G8

farmers here, who are living on farms that have been in their family for over 100 years. Our farm is a century farm, and since we are not a very large farm, to take any of our land would ruin our farm, and we will fight long and hard to keep our land. If land is taken away from a farmer, he should or a member of his family should have the first chance to buy the land back; it should not be auctioned off since the land was taken from them and they had no choice.

4.1.6 Thief River Falls, Minnesota

Peter Hapka

Route 2 Box 43, Thief River Falls, MN

G5, G6, G7

Will additional power be needed to be brought in or is local power adequate? Do new power lines need to run in; if so, what kind? Where would they come from? How is drainage affected around the site? If flooding is not desirable for the site, is water coming off the site dumped on the near land at an increased rate causing crop damage? Or is water to be held behind current roads and controlled flows through existing culverts? The northwestern part of the TEF area is subject to periodic flooding.

Who owns the roads that will be put in place to go around the site that the Air Force builds and maintains, to affect roads that were obstructed or roads maintained by the Air Force to affect local tax losses--townships, counties, or Air Force?

Low Blake

G2

1. Given the four hours of prewarning, what would then be the course of action in those four hours?

2. How will the detector determine if the incoming planes are a military attack or a commercial airliner approaching?

3. Concerning the northern detectors in Canada, my question is won't that be the weak spot since they only give 30 minutes prewarning? Or is the E & W Coast overlapping this area?

Jay Blake

G2, G3

1. Given that 3 of 4 sites are located on or near the U.S. coasts, why Minnesota and M.D.? It would appear that locating the system in Texas would allow enough overlap. Or is this merely a punishment for the fact that Minnesota didn't vote for Reagan in 1980 or 1984?

2. Admit it, this is ugly. What will be done to ensure that this site, if it is ever built, is not a visible eyesore, much like a nuclear power plant or even a waste site?

Allan Gustafson

G5

Route 1 Box 99, Plummer, MN 56748

Surface field drainage is a vital part of every farm operation in this area which is under consideration for the receiver site. If the receiver is built, I would expect that most or all of the drainage would be rerouted around the site, as it would not be feasible to try and do maintenance beneath the antenna. Rerouting drainage will result in changing watersheds, and it will be important to make sure that adequate design of channels and culverts is done, perhaps for miles downstream--to minimize any flooding and erosion problems. The soils in this area are predominantly sandy loams. If water is not managed properly, severe erosion can result (especially in this area due to the large amount of fall in the land from east to west).

If any work is done in this area affecting the drainage, it must have the stamp of approval by the affected landowners, townships, county, Red Lake Watershed District, and the local Soil and Water Conservation District.

Jin Hahn

Route 1 Box 334, Richville, MN 56576

As a member of the community of TEF, I would like to see TEF selected as a final site of the ORN-B. We need it for defense purposes, the land it takes out of production will help reduce the amount of grain surplus now in storage, and the jobs it will provide will help the economy in our area. It is obvious that there are no health risks and any farmers displaced can easily buy farmland elsewhere.

Faith Rud

Route 3 Box 152, Warren, MN 56762

This project is an affront to the citizens of this area. The Air Force consultant has badgered and ridiculed those of us who have asked questions. The condescending attitude is as offensive as the project itself.

This money could be better used for promoting peace.

David Spengler

G3

RR 4 Box 168, Thief River Falls, MN 56701

Why isn't Central site located in south central U.S.? Wouldn't greater advanced warning time occur if site was located in south central U.S.?

Thief River Falls

2

1

Thief River Falls

Arlene Jasol

G9

Route 5 Box 72, Thief River Falls, MN

Contamination of near-surface aquifers by spills of oil or gasoline during construction, by leaks from underground fuel storage tanks during operation, and by interference by shallow antenna foundations with the groundwater system should be a concern of all of us. How would the Air Force guarantee that our groundwater supply would not be contaminated?

We live near a TV tower and have interference on all but one channel. What kind of interference can we expect from the OTH-B, and what measures will the Air Force take to prevent this? What distance from this TV tower would the OTH-B be located?

Maurits Scholten

348 Mo. Ericher Ave., Thief River Falls, MN 56701

Statements made before have not changed. I will negotiate fair and square. Sale or lease.

Paul Ashro

G4

Rte. 1, Angus, MN 56712

Are there future plans to add an additional OTH Backscatter to supplement the lower quality radar system along the North tier of Canada, and wouldn't this area possibly be the chosen site for additional systems?

Roger A. Nible

RR 1 Box 147, Thief River Falls, MN 56701

Best information meeting so far! Go for it!

Eldred Averz

RR 1 Box 231, Thief River Falls, MN 56701

From the publicity that has been available and the meetings earlier as well as the 20 November meeting in Thief River Falls, I have decided I definitely would not want this installation in the area in which I am a land owner and in which I live.

Thief River Falls

3

The Air Force picture is just not presented in a creditable manner: the land owner (seller or offering for rent) will be a "satisfied" participant, no harm to wildlife, water both pollution and drainage, neither do I swallow that about roads and other benefits being built, maintained, and improved.

Robert A. Hurst

237 M. Kneale Avenue, Thief River, MN 56701

After hearing the presentation at Thief River Falls, I am satisfied that environmental hazards of the receiver site are miniscule. It is also my understanding that many landowners have indicated a willingness to sell or rent land for the site. The site and facility are needed for adequate air defense. There is no sufficient reason the project should not proceed at Thief River Falls.

I want to complement Col. Lee and the other representatives of the Air Force for a thorough, professional, and courteous explanation of the nature of the project and response to questions.

Jon Jasol

G5

RR 5 Box 72, Thief River Falls, MN 56701

If rural Thief River Falls is selected for the proposed OTH-B and an 8-mile by 1/2-mile exclusion fence is erected, how will the Air Force control spring runoff from this immense snow catch that could massively erode an irreplaceable and already fragile soil? If ditching is the alternative, explain your flood control programs for the Black, Snake, Red Lake, and Red Rivers, or what viable solutions can you implement?

Thief River Falls

4

4.2.1 State and National Agencies and Organizations

Letters were received from:

Becky Johnston, Executive Director, Northeast Council of Governments,
Aberdeen, SD
Gary E. Cargil, Regional Forester, U.S. Forest Service, Lakewood, CO
John C. Mitchell, Chief, Radiation Sciences Division, USAF School of
Aerospace Medicine, Brooks Air Force Base, TX
Shirley R. Dykshoorn, Director, Office of Intergovernmental Assistance,
Office of Management and Budget, Bismarck, ND
Walter Hjelle, Highway Commissioner, North Dakota State Highway
Department, Bismarck, ND
Thomas J. Kalitowski, Executive Director, Minnesota Pollution Control
Agency, Roseville, MN
John C. Ditmore, Chairman, Minnesota Environmental Quality Board,
St. Paul, MN
Joseph M. Kurcinka, Supervisor, Environmental and Management Analysis
Section, Minnesota Department of Natural Resources, St. Paul, MN
Bruce Blanchard, Director, Environmental Project Review, U.S. Department
of the Interior, Washington, D.C.
James Nichols, Commissioner, Minnesota Department of Agriculture,
St. Paul, MN
Kent Jones, Commissioner, North Dakota Department of Agriculture,
Bismarck, ND
Hubert H. Humphrey III, Attorney General, State of Minnesota,
St. Paul, MN
Gene A. Christianson, Chief, Environmental Health Section, North Dakota
State Department of Health, Bismarck, ND
William J. Janklow, Governor, State of South Dakota, Pierre, SD
Robert R. DeSpain, Chief, Environmental Assessment Branch, U.S.
Environmental Protection Agency, Region VIII, Denver, CO
Joseph M. Kurcinka, Supervisor, Environmental and Management Analysis
Section, Minnesota Department of Natural Resources, St. Paul, MN
Jodi Schwartz, Program Associate, Rural Coalition, Washington, DC

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August 25, 1986

HQ Electronic Systems Division/SCD
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Lieutenant Brown:

In reviewing the Draft Environmental Impact Statement for the proposed Central Radar System, I found incorrect data on section 3.3.2.9.2. Water Quality, page 3-18.

The Towns of Langford, Pierpont and Claremont are currently bulk users of the B.D.M. (Brown, Day, Marshall) Rural Water System, Inc. This rural water system also provides hundreds of rural homes and farms with water. The B.D.M. Rural Water System was constructed in two phases and construction of the system was substantially completed by November, 1985. I have enclosed a copy of a map that identifies the area served by this system.

Although I do not have specific information on the quality of the B.D.M. water source, I know that it is a better source than what the communities were previously using.

Mr. Ralph Skare is the Chairman of the B.D.M. Rural Water System. The B.D.M. office is located in Britton. Their address is P. O. Box 49, Britton, SD 57430. The telephone number is 605/448-5417.

I hope that this information is of use in the Impact Statement.

Should you have any questions, please contact our office or the B.D.M. office.

Cordially yours,

Becky Johnston

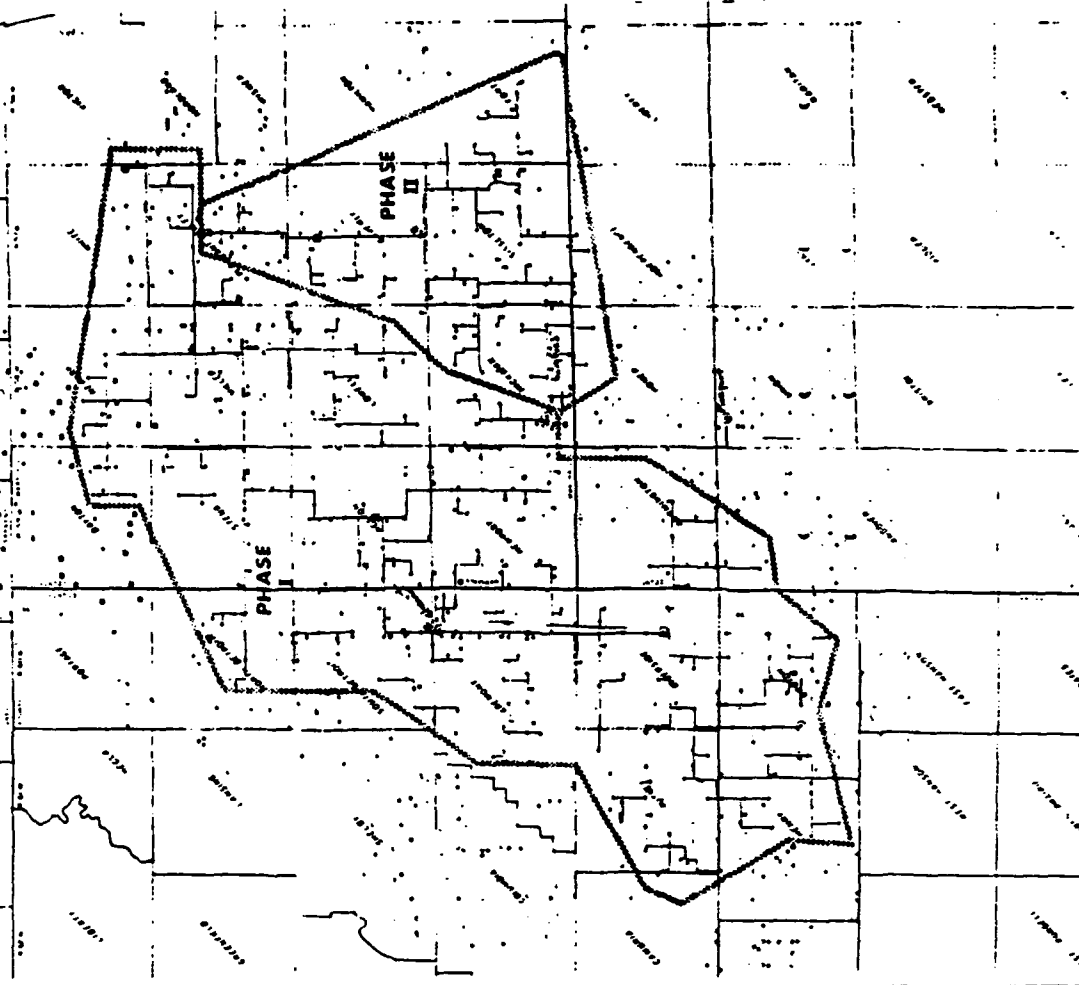
Becky Johnston
Executive Director

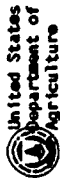
Enclosure

cc: B.D.M. Rural Water System

Chairman, Ray Ferrel - Vice Chairman, George Hanson - Sec. Treasurer, Floyd Giermes - Executive Director, Becky Johnston

Map of the Brown, Day, Marshall Rural Water System
Serving rural users in Brown, Day and Marshall Counties
and providing bulk water service to the Towns of Langford,
Pierpont and Claremont, South Dakota.





Forest
Service

Rocky
Mountain
Region

11177 W. 8th Avenue
Box 25127
Lakewood, CO 80225

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SEP 2 1986

Reply to: 1950

Date: AUG 28 1986

Col. James A. Lee, Director
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Massachusetts 01731-5000

Dear Colonel Lee:

Thank you for the opportunity to review the draft Environmental Impact Statement on the proposed construction and operation of a Central Over-the-Horizon Backscatter Radar System.

Our staff on the Black Hills National Forest in Custer, South Dakota, reviewed the EIS and determined that the proposed project will not affect National Forest System lands or activities in South Dakota.

Sincerely,

[Signature]
GARY E. CARGILL
Regional Forester

cc: EC, P&L, MO
Black Hills NF

MS:sa



16-45000-2M(7-82)



DEPARTMENT OF THE AIR FORCE
USAF SCHOOL OF AEROSPACE MEDICINE (AFSC)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

15 SEP 86

8 SEP 1986

REPLY TO
ATTN OF: RZ

SUBJECT: Alaskan and Central OTH-B Draft Environmental Impact Statements

10 HQ ESD/SCO (Lt. V.G. Brown)
Hanscom AFB, MA 01731

1. Comments by the personnel of the Radiation Sciences Division, USAF School of Aerospace Medicine, Brooks AFB, Texas on the draft environmental impact statements for the Alaskan and Central OTH-B radar systems are provided per your request. Both environmental impact documents are excellent and very credible. Their high quality indicates the expertise of the preparers and are what we have come to expect from the SRI International team. Specifically, the human health effects sections (Section 4.14) have been well prepared. The discussions therein are cogent and relevant. However, consideration should be given to using the report USAFSAM-T8-83-1 entitled "Bioeffects of Radiofrequency Radiation: A Review Pertinent to Air Force Operations" as an attachment to the EIS. This report was prepared during the environmental impact analysis process for the Southeast and Southwest PAVE PAMS radar systems, and has proven to be a very credible document, and represents a consistent Air Force position.

2. There are some additional items we would like to see addressed in the final versions however. On 30 July 1986, the Environmental Protection Agency published a notice of proposed recommendations entitled "Federal Radiation Protection Guidance; Proposed Alternatives for Controlling Public Exposure to Radiofrequency Radiation: Notice of Proposed Recommendations" (Federal Register, Vol. 52, No. 146). This notice offers four guidance options for consideration. The most stringent option limits environmental exposure to 0.04 W/kg; at 5 MHz this equates to a power density of 3.6 mW/cm² and about .11 mW/cm² at 28 MHz. If the highest power density at the exclusion fence is really 0.02 mW/cm², then exposures to the public would indeed be a factor of 5 below the strictest proposed option. A thorough discussion of this EPA proposal and its implications for the OTH-B should be developed for the final EIS.

3. A significant omission from the EIS is a discussion of the problem of perception, shock, and burn from the electric fields associated with the emissions at OTH-B frequencies. For instance at about 3 MHz the current flow for perception when in contact with a large ungrounded conductive object is associated with an electric field of around 50 V/m, while the let-go threshold at this frequency is about 100 V/m. A section on shock and burns hazards should definitely be added to the EIS. Some relevant references are: Gandhi and Chatterjee, Proceedings of the IEEE, Vol. 70, No. 12, 1982 and Chatterjee, et al., IEEE Transactions on Biomedical Engineering, Vol. BMS-33, No. 5, 1986.

OFFICE OF MANAGEMENT AND BUDGET

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Information - (701) 224-2640

118 Sep 86

September 8, 1986

Lt. V. G. Brown
HQ Electronics Systems Division/SLO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

Our office has reviewed the Environmental Impact Statement for the construction and operation of a Central Over-the-Horizon Backscatter Radar System.

We held a meeting with representatives from a number of state agencies including the State Health Department, Land Department, Highway Department, Parks and Recreation, Game and Fish Department and Job Service. During that meeting, we reviewed the EIS and discussed the potential for establishing a receive site at Blanchard, North Dakota.

We are also aware that the Lake Agassiz Planning Council also notified township officials, all mayors of towns and all county commissioners in Traill County regarding this proposed project.

We have identified no major concerns with the location of a receive site in Blanchard. The area is generally supportive of Blanchard being selected as a site particularly due to the job creation involved and the local labor needed to construct the site. An investment of this size would be a significant economic boost to the state, despite the permanent loss of some acreage.

Please let our office know if we can be of further assistance.

Sincerely,

Shirley R. Dykshorn

Shirley R. Dykshorn
Director
Office of Intergovernmental Assistance

SRD:ld

Budget Officer, Fourth Floor (201) 214-2640
Central Data Processing, Judicial Wing (201) 214-1100
Central Duplication Services, Judicial Wing (201) 214-2772
Director, Fourth Floor (201) 214-2640
Intergovernmental Assistance, Fourth Floor (201) 214-2640
Purchasing, Fourth Floor (201) 214-2641
Records Management, Main Building (201) 214-1579
Supplies Property, 1812 Lee Avenue (201) 214-1271

4. The following other specific comments are offered for clarification or revision.

a. Since the EPA has now issued their proposed Guidance, the 9th paragraph of 4.14.1.3 needs revision (Pg. 4-61 in the CRS EIS and pg. 4-60 in the ARS EIS).

b. In the Summary, the paragraph on Human Health (Pg. S-5 in the CRS, Pg. S-4 in the ARS), in the fifth sentence, effects are said to occur at 1 mW/cm². This should be stated in terms of SAR. In fact, the ANSI rationale is that consistent effects are reported at SARs of 4 W/kg or higher. Also the next to last paragraph in this section (Pg. S-6 in CRS, Pg. S-5 in ARS) needs to be rewritten in terms of SAR rather than mW/cm².

c. In 4.13.1.3, the power density at the exclusion fence is stated to be 0.02 mW/cm². The electric field associated with this power density is about 9 V/m, well below the perception threshold. This should be stated.

d. 9th paragraph of 4.14.2.1 (Pg. 4-71 in CRS, Pg. 4-68 in ARS). The average power density is stated to be less than 0.1 mW/cm². This should read 0.02 mW/cm² to be in consonance with 4.13.1.3.

5. I'm sorry that I was unable to join your team in the recent public hearings in the Midwest. I was previously committed to GEN scoping activities in Washington, DC. Please let us know if any specific questions were raised regarding RFR bioeffects. We would be pleased to respond as appropriate.

6. Let us know if we can help in any other way to complete the EIS process for the OTH-B systems.

cc: ESD/DE
(Col. Kishiyama)

John C. Mitchell
JOHN C. MITCHELL
Chief, Radiation Sciences Division

NORTH DAKOTA STATE HIGHWAY DEPARTMENT

600 East Boulevard Avenue
Bismarck, North Dakota
58505-0700



George A. Sinner, Governor
Walter R. Hjelte, Commissioner
Ray Zink, Chief Engineer

September 11, 1986



Colonel James A. Lee
HQ Electronics System Division/SCO
OTH-B Systems Program Office
ATTN: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

DRAFT EIS FOR OTH-B RADAR PROGRAM

Thank you for the opportunity to comment on the draft EIS for the above referenced project. After reviewing the document we do not believe there would be any significant impact to the State Highway System.

Since it appears that the Blanchard area is the preferred site in North Dakota, it should be pointed out that N. Dak. #200A and #18 have relatively light surfacing sections. Spring load restrictions are applied on both roadways and, therefore, any heavy hauling would have to occur either before or after that period of time. We tentatively have an asphalt overlay scheduled for N. Dak. #200A in 1987 and for N. Dak. #18 in 1989.

If you need any additional information or we can be of any further assistance, please contact our Department at any time.

Sincerely,

Walter Hjelte
Walter Hjelte
Highway Commissioner

lkf

cc: Boyle
Botnen
Kahl



Minnesota Pollution Control Agency

October 1, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

Subject: Over-the-Horizon Backscatter Central Radar System

The staff of the Minnesota Pollution Control Agency (MPCA) have reviewed the draft environmental impact statement (DEIS) on the above referenced project. We have concluded that the DEIS does not adequately address the impacts to surface water quality and the human health risk.

Surface Water Quality

The portions of the DEIS that deal with the soil erosion and the impacts on area surface water quality lack sufficient detail. References are made to estimates of the amount of cut and fill needed to prepare an acceptable radar site within each study area. Yet precise site locations are not identified. Preliminary or final grading plans are absent from the DEIS. Small streams or drainage ditches are to be routed through buried pipelines or relocated and small ponds and wetlands would be filled to prepare an acceptable radar site. Yet the DEIS does not show the locations within the study areas for these activities and does not detail how or which surface water bodies are to be altered. Retention basins are proposed as a mitigation measure against the effects of dissolved and suspended solids and nutrients. However, it does not describe the specifications for these basins. These ponds should be designed to remove fine to medium sand (0.1mm diameter) from suspension for at least a 10-year storm event and they should have a storage capacity for at least a 100-year storm event. Appropriate Minnesota water quality standards must not be violated when discharging to streams, rivers and lakes.

Human Health Risk Assessment

The portion of the DEIS that addresses the human health effects from radio frequency radiation (RFR) concludes that the highest average power density outside the exclusion fence would not exceed the 1982 American National Standards Institute (ANSI) radiation protection standard for the general population nor would it exceed the International Radiation Protection Association (IRPA) interim guidelines. Both the ANSI and IRPA standards used the specific absorption rate (SAR) of 4 watts per Kilogram (W/kg) as a starting point. Then different uncertainty or safety factors were applied to

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Lt. V. G. Brown
Page 2
October 1, 1986

arrive at the standards used in the DEIS. The ANSI standard is 0.4 W/kg and the IRPA guideline is 0.08 W/kg. The U. S. Environmental Protection Agency (EPA), in the July 30, 1986 Federal Register, Vol. 51, no. 146, Federal Radiation Protection Guidance: Proposed Alternatives for Controlling Public Exposure to Radiofrequency Radiation, confirmed that adverse effects begin at a SAR between 1-4 W/kg. The EPA report also proposed three regulatory SAR exposure limits for public comment. They are 0.4 W/kg, 0.08 W/kg and 0.04 W/kg. The difference between the EPA proposals is again the factor of uncertainty applied to a 4 W/kg SAR starting point. It was not made clear in the EPA report why 1 W/kg was not chosen as the starting point, since the onset of adverse effects can be as low as SAR as 1 W/kg.

The EPA report also listed reasons why the application of an additional safety factor of 5 or 10 should be applied to the ANSI standard which would afford the public a factor of 50 to 100 below the onset of adverse effects. Uncertainty factors of 100 have most traditionally been applied which contain a tenfold factor to account for the uncertainties of extrapolating from high to low doses and a tenfold factor to account for interspecies differences, particularly due to the great genetic diversity and varying susceptibilities of humans. Another common practice is to assign one tenfold factor for occupational exposure and another tenfold factor for the general public. The difference being that the public lack of consent to and knowledge of the exposures and because of the greater diversity in the general population which contains a wider range of ages and more susceptible subgroups than does the working population. Both the National Council on Radiation Protection and Measurement and the International Radiation Protection Association concluded that a larger margin of safety should be applied to derive exposure limits for the general public. The EPA report cited several other reasons why a substantial uncertainty factor should be applied. They are as follows:

- 1) Biological effects data indicate that the larger the animal the lower the effective SAR required to produce many types of effects. An uncertainty factor should be used to account for the greater mass to humans.
- 2) Whole body average SAR does not address the existence of localized areas of increased energy deposition. The SAR within a specific body tissue can exceed the average by 100 times or more.
- 3) Very few controlled analytical epidemiological or clinical studies have been done on the effects of RFR.
- 4) Certain biological effects that seem to be nonthermal occur below the 1-4 W/kg range. Although there is no evidence to indicate whether and under what conditions these effects are adverse or persistent, prudence would dictate the use of a safety factor.
- 5) The SAR level at which adverse effects in laboratory animals occur depends on environmental conditions. Such effects on humans may also depend on environmental conditions but actual data are not presently available. A safety factor may serve to account for the influence of adverse environmental conditions.

Lt. V. G. Brown
Page 3
October 1, 1986

- 6) The public health significance of biological effects at whole-body average SAR's lower than 1 W/kg is at present not well understood.

We realize that the DEIS states that the average power density at the exclusion fence will still be below the level of the even most conservative of the three EPA proposed exposure limits. However, the EPA has not made a final determination of an exposure limit. Should the EPA decide to use a SAR of 1 W/kg as the starting point as we stated earlier in this letter, and apply an uncertainty factor of 100, then the EPA power density limit would be 0.05 mW/cm². The average power density at outside the exclusion fence is to be less than 0.02 mW/cm² according to the DEIS. These two power density levels are very close. In addition, this does not take into account the peaking of power densities from the radar system which could use up the margin of safety that the exclusion area was to provide.

Based on this analysis and all the uncertainties involved, we believe that further analysis of the human health risk of the OTH-B Central Radar System is required.

We have requested further information from EPA Region III and Region VIII on the effects of radiofrequency radiation. After analysis of this information we may make further comment on the above referenced project.

Thank you for the opportunity to review the DEIS. Should you have any questions about this comment letter, please call Daniel Berg at (612) 296-7432.

Sincerely,


Thomas J. Kalitowski
Executive Director

TJK:jw

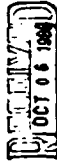
cc: Ms. Debbie Economou
Mr. David Gray, Minnesota Department of Health
Mr. Paul Burns, Minnesota Department of Agriculture
Mr. Kenneth Wald, Minnesota Department of Natural Resources



**Minnesota
Environmental Quality Board**

100 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Phone _____



October 1, 1986

Lt. V. G. Brown

ESD/SCO

Hanacom Air Force Base, Maine 01731

RE: Draft Federal EIS for Central OTH Backscatter Radar

Dear Lt. Brown:

The staff of the Minnesota Environmental Quality Board (EQB) has reviewed the draft federal EIS for the proposed central over-the-horizon backscatter radar system and offers the following comments. Our comments are limited to procedural matters regarding possible state review requirements for this project if sites within Minnesota are selected. Minnesota's comments regarding the substance of the EIS are being supplied by other State agencies, whose staffs have technical expertise in analysis of environmental impacts.

As acknowledged in the EIS (Appendix D), the OTH-B system may require state-level environmental review under the Minnesota Environmental Policy Act. The specific requirements of the act are set forth in rules of the EQB, at Minnesota Rules pt. 4410.0200 to 4410.7800. Our review of the EIS indicates that state-level review may be necessary if sites are chosen where watercourses, wetlands, or forested areas would need to be altered. If required, state environmental review must be completed before any state or local permits or other approvals can be granted.

State-level review could consist of an Environmental Assessment Worksheet (EAW), a state EIS, or both. A state EIS is very similar to a federal EIS although in this case more site-specific detail than was supplied in the federal EIS would be necessary. While a state EIS is mandatory for some types of projects, it appears that an EIS is not mandatory for the OTH-B project. It does appear, however, that the project would require preparation of an EAW if certain sites are chosen. The purpose of the EAW would be to gather information from which a decision on the need for an EIS could be made. The preparation of the EAW and the decision on the need for an EIS would be assigned to some state or local unit of government because federal agencies can not be responsible under the state program. Another option would be for the Air Force and the state responsible unit of government to agree from the outset that a state EIS is needed; this option would eliminate the EAW process.

The Air Force would be responsible for providing much of the basic information used in either an EAW or EIS. An EAW process would likely require about three to four months to complete. If an EIS is necessary, about a year would be needed for that process.

AN EQUAL OPPORTUNITY EMPLOYER

Lt. Brown, page 2

I am enclosing material about the Minnesota environmental review process for your information. The EQB staff is available to discuss the state program with you and to provide guidance regarding how to meet its requirements in an efficient manner. The staff contact for the Environmental Review Program is Gregg Downing (612/296-8253).

Sincerely,

John C. Ditmore

Chairman

Enclosures



STATE OF
MINNESOTA
DEPARTMENT OF NATURAL RESOURCES

BOX 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55146

DNR INFORMATION
(612) 296-6137

October 3, 1986

Lt. V.G. Brown
ESD/SCD

Manscom Air Force Base, Massachusetts 01731

RE: DRAFT EIS FOR CENTRAL RADAR SYSTEM, OTH BACKSCATTER RADAR PROGRAM

Dear Lt. Brown:

The Minnesota Department of Natural Resources (DNR) has reviewed the Draft EIS for the Central Radar System, Over-the-Horizon (OTH) Backscatter Radar Program, and offers the following comments for your use in preparing the Final EIS.

The DNR provided comments previously to the preparers of the DEIS, SRI International and Metcalf and Eddy, Inc. We provided information on the existing resources at each of the study areas, an evaluation of each, and a discussion of potential impacts which we felt should be addressed in the DEIS. It appears that the DEIS incorporates much of the information we provided and generally has addressed the potential impacts we identified at that time, and although there are some aspects which we feel merit further development, and are discussed later.

One major new issue has come to our attention since we made our previous comments. This is the potential for adverse effects from radio frequency (electromagnetic) radiation (RFR). The DNR is concerned that small mammals and birds within the exclusion fence will be exposed to RFR levels which may cause adverse biological effects. While the discussion of RFR effects in Chapter 4 is rather lengthy, it deals mostly with effects on humans and with RFR exposure levels found outside the exclusion fence. Only one small section (4.14.3.10) deals with small animals. This section gives specific absorption rates (SARs) for humans and three small mammals (dog, rabbit, mouse) inside the exclusion fence, but gives a permissible unrestricted exposure level only for humans. It is not indicated whether the SARs for small mammals exceed their permissible exposure levels. In addition, birds have an entirely different physiological make-up as compared to mammals, and no information is provided on SARs or permissible exposure levels for birds. Approximately four square miles will be seeded to grass cover at the transmitter site. This will attract many ground nesting birds, rodents and mammalian predators and raptors to the area within the exclusion fence.

AN EQUAL OPPORTUNITY EMPLOYER

There is also a separate, but related, concern that RFR may interfere with birds' ability to navigate and thus may affect migration and/or local flight patterns. The effects of RFR on small mammals and birds within the exclusion area as well as the effects of RFR on bird migration should be thoroughly addressed in the Final EIS. An authority who may be of assistance in this regard is Harrison Tordoff at the University of Minnesota Natural History Museum (612-624-4363).

Since the subject of RFR effects is a rather technical, complex one, we will not go into it further since it is somewhat outside of the expertise found in this agency. However, the Minnesota Pollution Control Agency (MPCA) will be submitting comments to you on this subject, and we will defer to their expertise on the matter, and concur with their conclusion that further analysis of RFR effects is needed in the Final EIS.

Specific Site Impacts

A serious deficiency of the DEIS is that the document does not identify where within the study areas the facilities would be sited; thus it is difficult to predict the specific impacts which the facilities may have on the environment, such as which streams, if any, will have to be diverted or piped through the site, how much wetland or forested wildlife habitat will be affected, etc. It would be helpful if one or two likely sites could be identified in each study area, and the impacts specific to each site discussed in detail.

Specific Comments

Additional comments and corrections on specific portions of the DEIS are provided below, referenced by page number.

P. S-3 -- Regarding reversion of agricultural land to natural grasses, if native grass seed sources do not presently exist adjacent to the proposed site, natural revegetation by native prairie species is unlikely. Possible mitigation could include prairie restoration. This ultimately could result in a change in the species composition of birds - e.g., from blackbirds to prairie birds. If a restoration is attempted, steps should be taken to minimize bird collisions with the structures as necessary.

P. S-3 & 4 -- Regarding bird collisions with the antenna, the comparison with other structures in the area is illogical since the antenna structures are totally different (very long and high, and screen-like) compared to other tall structures. They will present an obstacle which greatly increases the hazard of bird strikes. A question arises as to whether any of the proposed mitigative measures will be effective, and if not, then what will be done to resolve the problem.

p. 3-25 -- It should be noted that further survey of the study area could reveal additional occurrences of the species listed in the fifth paragraph.

p. 3-29,31 -- The discussion of the Central Flyway (Sec. 3.5.2.1) and Figure 3.1 indicate that western Minnesota including the sites proposed in Polk/Pennington and Traverse Counties are in the Central Flyway. However, western Minnesota is normally considered to be in the Mississippi Flyway, the boundary being the Minnesota-Dakota border (although there is some overlap in actual flight patterns).

p. 3-32 (Section 3.5.2.4) -- This is a misleading paragraph. The introductory sentence makes it seem that all species being discussed are non-migratory. This is not the case for any of the species listed. This section would be better if replaced by one on non-game birds in the area.

p. 3-34 -- The last sentence of the first paragraph should read "In rare occasions, the piping plover..."

p. 3-35 -- The following should be inserted after the first paragraph:

Other species identified by the Minnesota Natural Heritage Program as having potential occurrence near the study areas include:

Loggerhead Shrike (Lanius ludovicianus) State Threatened
 Upland Sandpiper (Bartramia longicauda) State Special Concern
 Forster's Tern (Sterna forsteri) State Special Concern
 Short Eared Owl (Asio flammeus) State Special Concern
 American Bittern (Botaurus lentiginosus) State Special Concern
 Prairie Vole (Microtus ochrogaster) State Special Concern
 Spotted Skunk (Spilogale putorius) State Special Concern
 Western Hognose Snake (Heterodon nasicus) State Special Concern
 Snapping Turtle (Chelydra serpentina) State Special Concern

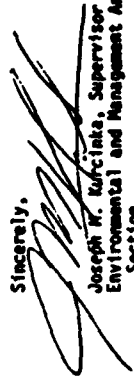
p. 3-37 -- On the first line, the portion of the sentence following the comma should be changed to read "these birds are residents of the area, and are not just migrating through at high levels".

p. 4-13 -- In regard to the temporary wetlands mentioned in the third paragraph (last sentence), these may be an important migration stopover for shore birds, especially if there are no other wetlands nearby.

p. 4-25 -- Section 4.5.3 generally provides a good discussion of the potential problem of bird collisions with the structure. However, Section 4.5.3.3 notes that there is little experience with preventing bird collisions with extended structures such as the CRS arrays. Therefore, effective measures to reduce or prevent bird collisions may not be available. If such is the case, means for compensating for bird losses should be developed.

This concludes our comments on the Draft EIS. We hope they will be helpful in preparing the Final EIS. If you have any questions, please call Ron Wald of my staff at (612) 296-4790. Thank you for the opportunity to comment.

Sincerely,



Joseph W. Kufcinka, Supervisor
 Environmental and Management Analysis
 Section

c: Earl Huber
 Terry Lejcher
 Brent Johnson
 Cliff Anderson, PCA
 Dick Tolbers, U.S. FWS



United States Department of the Interior

OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240



In Reply Refer To:
ER-86/1223

UCI 8

Lieutenant Virginia G. Brown
Department of the Air Force
OTH-B Environmental Planning Center
Over-the-Horizon Radar Systems Directorate
Headquarters Electronics Systems Division (AFSC)
Hanscom Air Force Base, Massachusetts 01731-5000

Dear Lieutenant Brown:

The Department of the Interior (DOI) has reviewed the draft environmental impact statement (DEIS) for the Central Radar System Over-the-Horizon Backscatter (OTH-B) Radar Program. We offer the following comments.

The U.S. Fish and Wildlife Service (FWS) reviewed and commented to you directly on a preliminary version of the DEIS. The DEIS addresses most of the concerns expressed during that review regarding potential impacts on fish and wildlife resources. However, there are two principal issues that should be given careful consideration as project planning continues. They are (1) avoiding or minimizing project-related impacts on high value fish and wildlife resources, and (2) identifying measures that would enhance fish and wildlife resources at the proposed radar installation sites.

The National Park Service (NPS) has also identified a potential conflict between a proposed National Natural Landmark (NNL) and the proposed OTH-B facilities.

Minimizing Impacts to High Value Fish and Wildlife Resources

There are numerous State and Federal wildlife lands or interests in western Minnesota and North and South Dakota. The Air Force should take all practical measures to minimize impacts to these areas. Any encroachment into these wildlife areas will require permits from the FWS and/or appropriate State resource agency.

The Dahlen, Goose River, and Galesburg study areas contain significant wildlife resources. These include large amounts of high value habitat (i.e., wetlands, riverine, prairie pothole wetlands, shrub drainageways, and riparian areas). Many of the prairie pothole wetlands in these study areas have been purchased in fee or by easement by DOI and are components of the National Wildlife Refuge System. Of those areas being considered for installation of the OTH-B, the Blanchard study area is environmentally preferable from the wildlife resource perspective because it contains minimal amounts of high wildlife resource habitat and would suffer the least impacts. The DOI's position on

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Lieutenant Virginia G. Brown

this issue was expressed to you on July 3, 1986, in a letter from the FWS District Office in Bismark, North Dakota.

Fish and Wildlife Resource Enhancement Measures

Placement of the proposed OTH-B facility in this region provides the Air Force an excellent opportunity to enhance wildlife habitat. For example, the four fence-like antenna arrays that would be constructed at each of the transmit and receive sites would be 10,000 feet long. The enclosures proposed to create a one mile security buffer zone around these arrays would preclude intrusion by man and large animals. To the extent possible, the area within these enclosures should be managed as fish and wildlife habitat, especially for nesting waterfowl species. The Air Force should consult with the FWS and appropriate State wildlife agencies to obtain technical assistance in establishing such habitat.

Endangered Species

The DEIS adequately addresses potential impacts of the proposal on federally listed endangered and threatened species. However, if the Air Force later determines that the construction or operation of a specific radar facility may affect one of these species, consultation with FWS under the Endangered Species Act will be necessary. To assist you in making determinations regarding possible effects on endangered and threatened species, we have attached a summary of the federally listed species that could occur in the study areas in Minnesota.

Natural Landmarks

The project boundary of the Dahlen Study Area within the North Dakota north region contains the proposed NNL Dahlen Eaker. The proposed site covers parts of Sections 5 and 6, T154N, R56W, Grand Forks County, North Dakota; Sections 31 and 32, T155N, R56W, and Sections 25 and 36, T155N, R57W, Walsh County. The final EIS should consider the potential effects of OTH-B facility siting on this eaker. Any potential impacts should be fully mitigated to prevent unnecessary damage to the natural values of this proposed NNL.

In summary, DOI appreciates the efforts made by the Air Force during development of this proposal to take fish and wildlife resources into account. The Air Force should adopt all practical measures to mitigate the adverse impacts on fish and wildlife resources and, further, consider management techniques that would enhance those resources. The final EIS should consider potential impacts to the Dahlen Eaker, a proposed NNL, and appropriate mitigation evaluated.

86

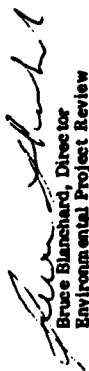
87

Lieutenant Virginia G. Brown

For further technical assistance regarding fish and wildlife mitigation and resource enhancement, please contact one of the following FWS field offices: (1) Minnesota, FTS 725-7131 or commercial (612) 725-7131; (2) North Dakota, FTS 783-4492 or commercial (701) 255-4011; (3) South Dakota, commercial (605) 224-8693. Information regarding the Dahlen Eaker may be obtained from Ms. Carol A. Madison of NPS (FTS 778-9699, commercial (303) 238-8699).

Thank you for providing DOI the opportunity to comment.

Sincerely,


Bruce Blanchard, Director
Environmental Project Review

Enclosure

Attachment 1

INFORMATION ON FEDERALLY LISTED SPECIES WHICH MAY OCCUR WITHIN THE
PROPOSED RADAR AREA IN MINNESOTA

To facilitate compliance with Section 7(c) of the Endangered Species Act, Federal agencies or their representatives are required to obtain information from the Service concerning any species, listed or proposed to be listed, which may be present in the area of the proposed action. Therefore, we are furnishing the following list of species which may occur within the proposed study areas (Polk, Pennington, and Traverse Counties) Minnesota:

Common Name	Scientific Name	Classification	Distribution
Gray wolf	Canis lupus	Threatened	Peripheral range
Bald eagle	Haliaeetus leucocephalus	Threatened	Migratory range
Peregrine falcon	Falco peregrinus	Endangered	Migratory range
Piping plover	Charadrius melodus	Endangered	Migratory range

Presently, there is no designated critical habitat for threatened or endangered species within Polk, Pennington or Traverse Counties, Minnesota.

Eastern Pennington and eastern Polk Counties are within the peripheral range of the gray wolf, a federally listed threatened species in Minnesota. However, because of the location (northwestern Polk and Pennington Counties) and type of activity proposed, project construction and operation at Site M-7 will not affect the gray wolf. Although the study area in Polk and Pennington Counties is not within the breeding range of the bald eagle, peregrine falcon or piping plover, these species occasionally pass through this area of the State during their spring and fall migration periods. As such, we cannot provide the same "will not affect" determination. However, it is the responsibility of the action agency to determine whether their activity may affect these listed species.



RECEIVED
OCT 16 1986

90 W. PLATO BOULEVARD
SARASOTA, FL 34237

STATE OF MINNESOTA
DEPARTMENT OF AGRICULTURE

October 2, 1986

HQ Electronics Systems Division/SCD
ATTN: Lieutenant V. G. Brown
Hanscom AFB, MA 01371

Re: Draft Environmental Impact Statement, Proposed Central Radar System,
Over-The-Horizon Backscatter Radar System that would be located in the
north central region of the United States.

Dear Lieutenant Brown:

The Minnesota Department of Agriculture has completed review of the
above-referenced Draft Environmental Impact Statement (DEIS). Thank you for
the opportunity to review this document. In general, we feel that the
analysis of agricultural impacts is woefully inadequate.

To begin with, the document does not even clearly indicate the total range of
possible amounts of land that could be taken up by a site. The document
states "The transit site and the receive site would each require a minimum of
about 2,400 acres" (underline added). The document does not, and should,
identify the maximum amount of land that may be needed for each site. I have
heard from other sources that as much as 4,000 acres may be needed.

The document also makes no attempt to evaluate productive value of the
farmland in each of the search areas. The document does identify what types
of crops can be grown on the soils in the study areas, but does not evaluate
productive capability of those soils. I suspect that such an evaluation would
identify most of the search areas in Minnesota as having prime agricultural
land, which is not what is implied by the descriptions on pages 3-4 and 3-5 of
the DEIS. The Federal Farmland Protection Policy Act provides for a procedure
to be followed, with the assistance of the USDA's Soil Conservation Service,
to make an evaluation of relative farmland value for farmland considered for
conversion by federal projects. While I know that the FPPA provides for an
exception for projects for national defense, the evaluation method provided in
that law could still be used for purposes of the Environmental Impact
Statement. I would urge you to follow these procedures and include the
findings in the Final Environmental Impact Statement.

Most of my remaining comments have to do with the fact that impacts are being
viewed only in broad, general terms on an areawide or countywide basis, such
as the property tax issue, and not what a specific transit or receive
facility site would impact on the immediately surrounding area. For example,
drainage and water quality impacts for a 2,400-acre site could vary
dramatically depending upon where it is located within a study area. If these
impacts are not identified early in the study area and siting process, their
value to the siting process is drastically diminished.



ENJOY THE HIGH QUALITY AND INFINITE VARIETY OF MINNESOTA FOODS

AN EQUAL OPPORTUNITY EMPLOYER

October 2, 1986
Page Two

While the DEIS does compare the "minimum" amount of land needed for each site
with amounts of land converted for other purposes in each of the counties,
indicates that there would be some income redistribution, and mentions that
the property tax base lost to a particular township or school district would
be more significant than to a county, these issues are dealt with only in the
most general terms, and clearly do not adequately address the specific impacts
on those individual townships and school districts, or on the economies of
communities near the study areas. The document should identify individual
townships and school districts and what the impact of having a facility sited
entirely within that township and school district would have on that unit of
government's ability to provide services. The document should also indicate
what impact the reduction of this property tax base would have on other
property taxpayers within those taxing jurisdictions. I am afraid that in
some cases those impacts will be significant. The document should also
specify how many of the estimated fifty civilian employees at each transit
and receive site would be hired from the local labor pool, as well as provide
a better analysis of which local businesses would be winners and losers, and
by what amounts.

As I've touched on earlier, the document fails to adequately assess the impact
the project would have on the agricultural economy for an area. Section 4.8.4
on page 4-33 generally concludes that the amount of agricultural land which
would be lost in the siting process is "negligible" for the region as a
whole. This again fails to recognize the impacts that may be felt in the
areas near a site. For example, the cumulative impacts of the loss of this
agricultural land combined with the amounts of agricultural land normally
being lost to other uses and being idled by the state and federal conservation
reserve programs, should be identified in the DEIS. Agricultural support
service businesses such as implement dealers, and feed and seed dealers would
probably be particularly susceptible to adverse effects of the cumulative
impacts of these events, and these effects should be examined by the DEIS.

I would urge you to include a more thorough evaluation of these agricultural
issues in the Final Environmental Impact Statement. I am confident that these
analyses, along with the impacts you have already identified in the Draft
Environmental Impact Statement, will, and do show significant environmental
and agricultural impacts for the site studies areas in Minnesota.
Consequently, I would further urge you to reconsider siting either the
transmit or receive facilities in any of the study areas located in Minnesota,
and I would also suggest you reevaluate the need for this type of facility for
this part of the country.

Yours truly,

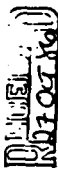
MINNESOTA DEPARTMENT OF AGRICULTURE

James Nichols
James Nichols
Commissioner

cc: Governor Perpich
Marilyn Mathias
Paul Burns
Jerry Heil
Greg Downing - EOP
Dan Berg - PCA



**NORTH DAKOTA
DEPARTMENT OF AGRICULTURE**



**Kent Jones
COMMISSIONER**

October 17, 1986

HQ Electronic Systems Division/SCD
OTH-B Systems Program Office
ATTN: Lt. V. G. Brown
Hanscom AFB, Massachusetts 01731-5000

G1, G6

Dear Lieutenant Brown:

I am writing today on behalf of farmers who live near the proposed sites the Air Force has selected for the Over the Horizon-Backscatter Central Radar System in the north central United States.

While we appreciate the Air Force's potential investment in North Dakota, I wish to stress the importance of locating this system where it will least disrupt North Dakota's economic base-- agriculture. I've had several calls, letters and even personal visits from farmers who feel the proposed sites would render useless nearly 2,500 acres of prime farm land. Although this may seem a small amount, especially in these times of surplus production, we have no guarantee that our bountiful production will last forever. If we take prime Red River Valley farm land out of production, we may live to regret it should we enter another period of drought, similar to what the southeastern U.S. experienced this past summer.

Some feel this receiver site will offer new jobs in North Dakota, but I understand the Air Force has not yet decided whether these employees will be civilians or military personnel.

At the very least, I ask that you grant these land owners another hearing on the matter. The Environmental Impact Statement was issued in the middle of our harvest season, when farmers hardly have time to read the local paper, let alone a 300-page Environmental Impact Statement full of technical jargon. At least give them a chance to absorb the potential effects of this project on their farm land and their livelihoods.

STATE CAPITOL

BISMARCK, NORTH DAKOTA 58505

(701) 224-2231

H. Q. Electronic Systems Division/SCD
Attn: Lt. V.G. Brown
October 17, 1986
Page Two

Many of these families have owned the land in question for over a hundred years and are not interested in selling. In these difficult economic times, it's a remarkable achievement to retain family ownership of farm land, and a decision to utilize this for a receiving site should not be made lightly or hastily.

Thank you very much for your consideration.

Sincerely,

Kent Jones

Kent Jones
Commissioner

KJ:jk



STATE OF MINNESOTA
OFFICE OF THE ATTORNEY GENERAL

HUBERT H. HUMPHREY, III
ATTORNEY GENERAL

ST. PAUL 55103
October 27, 1986

Re: Radar

ATTORNEY GENERAL
STATE CAPITOL BUILDING
ST. PAUL, MN 55155
TELEPHONE 601/296-4100

GL, G2, G8

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Re: Over-the-Horizon Backscatter Central Radar System

Dear Lt. Brown:

I have received a number of letters from Minnesota residents expressing concerns and opposition to the Air Force's proposed Over-the-Horizon Backscatter (OTH-B) Radar System. The Air Force is considering several areas near Wheaton and Thief River Falls, Minnesota, and several areas in North Dakota and South Dakota as possible sites for installation of the Central OTH-B Radar System.

My staff has obtained a copy of the Draft Environmental Impact Statement and copies of the comments of the Minnesota Pollution Control Agency, the Minnesota Department of Agriculture, and the Minnesota Department of Natural Resources relating to this proposed project. I join with the state agencies and the Minnesotans who testified at the September 10 hearing in Wheaton and who provided written comments in urging the Air Force to study this proposal further before proceeding. Specifically, I believe the Air Force has failed to sufficiently analyze the possible health effects from the radio frequency radiation (RFR) that would occur from such an installation and has failed to adequately consider the impacts that use of large tracts of land for a radar base would have on the family farms and farmers in the area. I think the Air Force must investigate and consider these potential impacts in more detail before the Environmental Impact Statement can be considered complete and before the Air Force and other decisionmakers can decide how to proceed.

I am also of the view that the discussion of Alternatives in the Draft EIS is wholly inadequate. The No Action Alternative, for example, is dismissed in two sentences at page 2-28. Other possible alternatives are given equally short shrift. The Air Force must provide more information about these possible alternatives before an informed decision can be made.

In Appendix D to the Draft EIS, a list of significant environmental laws and regulations is provided. The Draft EIS, however, does not contain any discussion of how the Air Force will comply with the specific Minnesota laws that are cited

Lt. V. G. Brown
Page Two

October 27, 1986

In Appendix D. The Air Force must address these Minnesota regulatory requirements in more detail before proceeding with any decisions regarding the radar system.

Also, one statute not cited in Appendix D that is an important part of Minnesota's environmental laws is the Minnesota Environmental Rights Act, Minn. Stat. ch. 116B. That law essentially provides that no person may undertake an action that would adversely affect the environment unless the person can establish that there are no feasible and prudent alternatives to the action and the action is required for the promotion of the public health, safety, and welfare in light of the State's paramount concern for the protection of its environment. Again, I think the Air Force has not done an adequate job in evaluating the alternatives to the proposed OTH-B radar system and proposed sites.

In summary, I ask the Air Force to do two tasks regarding the proposed project. One, supplement the Draft EIS on the public health impacts and land use impacts and in other areas pointed out by other commenters. Two, keep my office advised on the Air Force's progress in this matter. I would appreciate being kept advised of any decisions made by the Air Force regarding whether to proceed with this project, regardless of location, and I particularly request prompt notice of any intent to apply for necessary governmental permits for the project. I have assigned Special Assistant Attorneys General Alan Mitchell of my Environmental Protection Division and Lee Paddock of my Public Law Section to monitor the Air Force's progress on this project, and I request that you forward all notices to Mr. Mitchell and Mr. Paddock. Their address is Attorney General's Office, 520 Lafayette Road, St. Paul, Minnesota 55155, telephone (612) 297-1075.

Thank you for your consideration of these comments and the other comments you receive from Minnesota. Thank you also in advance for keeping my staff advised of the Air Force's intentions in this matter.

Very truly yours,

Hubert H. Humphrey, III
HUBERT H. HUMPHREY, III
Attorney General
State of Minnesota



NORTH DAKOTA
STATE DEPARTMENT OF HEALTH
State Capital
Bismarck, North Dakota 58005

ENVIRONMENTAL HEALTH SECTION

1200 Missouri Avenue
Box 9520
Bismarck, North Dakota 58502-9520

October 29, 1986

Lt. V. G. Brown
E50/SCU
Hancom Air Force Base, MA 01731

Dear Lieutenant Brown:

The North Dakota State Department of Health has reviewed the draft Environmental Impact Statement (EIS) for the Central Radar System (CRS) Over-the-Horizon Backscatter (OTH-B) Radar Program. We offer the following comments regarding the proposed project and the associated draft EIS:

(1) Construction activities associated with the project in North Dakota should be carried out in accordance with the "North Dakota Statewide Water Quality Management Plan--Nonpoint Source Plan" dated March 1979. The applicable procedures outlined in "Section IV. Best Management Practices" of the Plan should be incorporated into construction plans to minimize wind erosion and water erosion. A copy of the plan is attached.

(2) All water supply systems and wastewater treatment facilities associated with the project in North Dakota must comply with applicable state regulations. The Division of Water Supply & Pollution Control of the North Dakota State Department of Health should be contacted regarding the specific requirements for these aspects of the project.

(3) On page 3-39 under section 3-6 Air Quality, 3.6.2 Air Quality Conditions, 3.6.2.1 North Dakota, the fourth sentence of the second paragraph which reads "These processing plants, which use fuel oil or natural gas, are not large enough to require permits or other regulation," is not correct. The Hillsboro plant burns coal and is permitted as are other sources in the Grand Forks and Fargo, North Dakota areas. Additionally, the State of North Dakota has extensive data on emission inventories for this part of the state. The data does confirm there is no significant air pollution problem in the area.

(4) Construction of the proposed radar system is scheduled to last a fairly long period of time (around 1 to 5 years). Since substantial clearing and grading of land may take place, construction noise is a concern. To minimize the effects of construction noise upon people near the construction area, it is suggested that the following actions be undertaken:

Environmental Engineering	Environmental Sanitation	Nonpoint Source Management & Control Studies	Water Supply & Pollution Control
701-224-3234	701-224-2202	701-224-2208	701-224-2204

Lt. V. G. Brown

-2-

October 29, 1986

- Construction activities should not begin before 7:00 a.m. and should end before 9:00 p.m. It might be desirable to try to limit construction to weekdays.
- Construction equipment should be equipped and maintained so as not to make excessive noise. It is suggested that the 1975 General Services Administration construction equipment noise limits be used on this project.
- Trucks and other construction equipment traveling regularly to and from the project sites should travel along routes that are as far away as possible from houses, apartments, mobile homes, other places where people live, schools, wilderness areas, and national wildlife refuges.

If you have any questions concerning our comments or wish to discuss them in further detail, please do not hesitate to contact us.

Sincerely,

Gene A. Christman

Gene A. Christman, Chief
Environmental Health Section

GAC/CDR:lr

Enc. Janis Cheney, Governor's Office

STATE OF SOUTH DAKOTA GOVERNOR'S
SECOND FLOOR CAPITOL BLDG
PIERRE SD 57501 31AH

Western Union Mailgram

4-9368935364 18/31/86 ICE IPBNCZ CSP SHPB
6957733661 HGNB IDBN PIERRE SD 61 18-31 0452P EST

LIEUTENANT V. G. BROWN
HQ ELECTRONIC SYS DIV/SCO
HANSCOM AFB MA 01371

RECEIVED
NOV 07 1986

RE DEIS PROPOSED CENTRAL OTH-B RADAR SYSTEM.

SOUTH DAKOTA STATE GOVERNMENT HAS COMPLETED ITS REVIEW OF THE ABOVE
REFERENCED DEIS AND HAS NO ADVERSE COMMENT OR OBJECTION TO FURTHER
STUDY OF THE ANHERST AREA FOR POSSIBLE SELECTION AS A TRANSMIT SITE.
GOVERNOR WILLIAM J. JANKLOW
STATE OF SOUTH DAKOTA

17:00 EST
MCHCOMP



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

ONE DENVER PLACE — 998 18TH STREET — SUITE 1300
DENVER, COLORADO 80202-2413

OCT 31 1986

Ref: 8PM-EA

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

In accordance with our responsibilities under Section 309 of the Clean Air Act and the National Environmental Policy Act (NEPA), the Environmental Protection Agency (EPA) has reviewed the Proposed Central Radar System Over-the-Horizon Backscatter Radar Program Draft Environmental Impact Statement (DEIS). The proposed study areas for various portions of the system fall under the environmental jurisdiction of two Regional Offices, Region V (Chicago), and Region VIII (Denver), of the EPA. In addition, the EPA Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, has provided comments on RFR concerns. The Region VIII office has prepared a joint response and rating. Our detailed comments follow for your consideration in preparation of the Final Environmental Impact Statement (FEIS).

The EPA Office of Radiation, Las Vegas Facility has provided review regarding the health effects of exposure to low levels of radio frequency radiation (RFR). Based on their review of design calculations to achieve the primary system function of surveillance and tracking and the proposed physical buffer zones at the transmit facilities, they have not identified any potential RFR health impacts which would require design changes. However, since design calculations for a safe electromagnetic environment are not always matched by measured field intensities, EPA will be interested in reviewing results of power density measurements once the system becomes operational.

We encourage the research that is being done regarding the potential for low levels of radiation to ignite electroexplosive devices. The FEIS should discuss whether the use of electroexplosive devices is common in the study areas. It should also identify any specific locations where the proposed facility may cause significant interference with radio or television broadcasts.

The DEIS provides discussion that wetlands will be impacted to varying degrees depending on which sites are selected. We suggest that an inventory showing location, size, and type be conducted on-site as well as for any off-site wetlands which might be affected by construction or operational activities. This inventory can then be used to mitigate those wetlands which will be filled to accommodate construction of the antenna arrays, roads, and other land-use changes associated with the project. It can also be used to identify any changes in function of existing wetlands. In addition, erosion and sedimentation controls during construction should be strictly enforced. The FEIS should indicate that EPA will be given the opportunity to review the selected sites in order to confirm that adverse impacts are minimized.

TO REPLY BY MAILGRAM MESSAGE, SEE REPLY"

EPA recommends the FEIS contain further discussion and a commitment to implement methods to minimize bird impingement on antenna arrays and for continuing coordination with the U.S. Fish and Wildlife Service and appropriate State resource agencies.

We are assigning a rating of LO, Lack of Objection, to the DEIS proposed action. This means that EPA review has not identified any potential environmental impacts requiring substantive changes to the proposal. In the event that detailed analysis of selected sites reveals additional environmental impacts EPA will be available to work with the United States Air Force to reduce these impacts.

If you have any questions regarding our comments please contact Paul Wagner in Las Vegas at (702) 798-2440 or FTS 545-2424, Tom Nowicki in Chicago at (312) 353-2000 or FTS 886-4244 or Mike Hammer of my staff at (303) 293-1716 or FTS 564-1716.

Sincerely,

Robert R. DeSpain

Robert R. DeSpain, Chief
Environmental Assessment Branch

cc: William Dickerson, A-104 (OFA)
William D. Franz, Chief, ERB Region V
Paul Wagner, Office of Radiation, Las Vegas
Kerry Clough, ABA BPM



DEPARTMENT OF NATURAL RESOURCES

BOX 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55146

DNR INFORMATION
(612) 296-4157

November 18, 1986

Lieutenant V. G. Brown
ESC/SCO
Hanscom Air Force Base
Massachusetts 07731

RE: Draft EIS for Central Radar System, OTH Backscatter Radar Program

Dear Lt. Brown:

The Minnesota Department of Natural Resources (DNR) hereby provides some additional comments on the Draft EIS for the OTH Backscatter Radar System. We commented previously on this project in a letter dated October 3, 1986. One of our comments in that letter was a concern that bird collisions with the proposed antennas could be a significant problem. As the Draft EIS states (section 4.5.3), there is little experience in preventing bird collisions with the type of structure proposed in this project.

One of our biologists, John Schladowiler, Nongame Specialist in New Ulm, has a proposal which may help alleviate the problem. Mr. Schladowiler has had experience in dealing with bird collision problems involving various towers and power lines, and is familiar with the literature on the subject. He has some observational data which suggests that white flashing strobe lights may be the most effective way to reduce bird collisions with tall structures. Although white strobe lights are relatively new and we know of no studies that have looked at their effectiveness, Mr. Schladowiler's evidence supports their use.

We have observed two sets of towers, each having a very tall (approx. 1200 foot) tower and a much lower (5-600 foot) tower within about 200 yards of each other. The taller towers are lit by white flashing strobe lights, while the shorter towers utilize red flashing lights. Observations have shown that the number of bird carcasses found under the taller strobe-lit towers was much less than the number found under the shorter towers lit with red lights. This, of course, is just the opposite of what would be expected based on tower height (taller structures usually cause more kills).

AN EQUAL OPPORTUNITY EMPLOYER



Based on this information, MDNR is proposing that if the radar system is built, the Air Force try lighting half the length of each antenna with white strobes and half with flashing red lights. This would provide an excellent way of evaluating which method is more effective in preventing bird collisions. If it is then confirmed that the strobe lights afford better protection, the red lights could be replaced with strobes.

Since bird collisions with the antennas may be one of the most significant impacts associated with the proposal, we believe that the reduction in bird losses which could result from this experiment would be well worth the additional cost it may entail. In addition, it is our understanding that environmental review regulations of the Council on Environmental Quality (CEQ) require the reviewing agency (Air Force) to consider all reasonable alternatives for minimizing environmental impacts, and to propose "appropriate" mitigation for all unavoidable impacts. This proposal for reducing bird collisions would help to meet these requirements.

I hope this information is helpful to you. If you have any questions, please call Ken Wald of my staff at (612) 296-4790.

Sincerely,

Joseph W. Kurczka, Supervisor
Environmental and Management Analysis Section

cc: Earl Huber
Carrol Henderson
John Schluswiler

kw9/MISC2

97



December 5, 1986

RECEIVED
MIS Dec 6 1986

Colonel James Lee
OTH-B Systems Program Office
HQ Electronic Systems Division
Hanscom AFB, MA 01731

Dear Colonel Lee:

I work with the Rural Coalition in Washington D.C., aiding those in rural America that are affected in some way by the military's use of their land/airspace or areas located nearby their homes and communities.

I have been notified of the existence and have read various things about the new radar defense system known as the 'over-the-horizon/backscatter radar system'.

I would like to know about each of the locations siting the OTH-B radar systems, both installed and proposed. I'd also like copies of each of the environmental impact statements prepared to study the impacts of these systems. Any other materials you have that explain this systems would also be helpful.

I hope to be hearing from you very soon. Thank you --

Sincerely,

Jodi Schwartz
Program Associate

2001 S Street, NW, Suite 500 Washington, DC 20009/(202) 483 1500

4.2.2 North Dakota

Letters were received from:

William A. Schwalm, Grand Forks, ND
Ronald and Gloria Porter, Grandin, ND
Winten A. Gunderson, Park River, ND
Orville W. Overmoe, Chairman, Traill County Social Service Board,
Hillsboro, ND
Mrs. Wallace Hertwig
Herbert D. Welte, Jr., Aneta, ND
Lloyd Tofte, Wahpeton, ND
Tom Knudsen, Agricultural Manager, Minn-Dak Farmers Cooperative,
Wahpeton, ND
Linda Ulland, Fargo, ND
Gilman Wastvedt, Vice Chairman, Traill County Board of Commissioners,
Hillsboro, ND
Walter and LaVonne Kozajed
Daryl M. Barron, Grandin, ND
Liz McSparron, Grandin, ND
Eldon and Elaine Saunders, Hunter, ND
Everett D. Christianson, Cummings, ND
Gene and Daphne Porter, Grandin, ND
Mr. & Mrs. Henry Schlichtmann, Hillsboro, ND
Dale and Erma Peterson, Hunter, ND
Dean Ecker, Grandin, ND
Gerald J. Radebaugh, Grandin, ND
Loren E. Radebaugh, Grandin, ND
Dunbar and Mildred McSparron, Grandin, ND
Jon McSparron, Grandin, ND
Kenneth and Dorothy Halvorson, Hillsboro, ND
Doug Tate, Grandin, ND
Clarice Sherriitt
Brett A. Radebaugh, Grandin, ND
Dennis and Geraldine Peterson, Grandin, ND
Otto Bertsch, Hillsboro, ND
Mr. & Mrs. Bruce Thorsrud, Grandin, ND
Grace and Glenn Porter, Grandin, ND
Joel and Bonnie Halvorson, Galesburg, ND
Annello Thompson, Blanchard, ND
Mr. & Mrs. Arnold Knudson, Hillsboro, ND
Harold Stokke, Grandin, ND
Leon Bertsch, Hillsboro, ND
Gary and Glenda Smith, Cummings, ND
Pearl Bertsch, Hillsboro, ND
Francis and Liz Kritzberger, Hillsboro, ND
Patricia Bertsch, Hillsboro, ND
Harold W. Weible, Minneapolis, MN
Dan Nilles, Blanchard, ND
Mr. & Mrs. Ralph Thompson, Blanchard, ND
Mrs. Duane Smart, Hillsboro, ND

John Tate, Hunter, ND
 Mrs. John Tate, Hunter, ND
 Morris and Kathleen Melander, Hunter, ND
 Dennis and Geraldine Peterson
 Harry C. Hershey, Columbus, OH
 Bev Ulland, Fargo, ND
 Bessie Ulland, Mayville, ND
 Vernon and Mavis Johnson, and James and Debra Knecht, Hillsboro, ND
 David Eblen, Hillsboro, ND
 Ronald and Gloria Porter, Grandin, ND
 Fanny B. Peterson, Larimore, ND
 Geneva A. Keane, Fargo, ND
 Ken Beckman, Mayville, ND
 Joseph J. Nilles, Blanchard, ND
 Daniel Nilles, Blanchard, ND
 Dennis Nilles, Hillsboro, ND
 William P. Motter, Hunter, ND
 Patricia J. Motter, Hunter, ND
 Duane and Evon Nelson, Hillsboro, ND
 Connie Tate, Hunter, ND
 Mr. & Mrs. Gene Porter, Grandin, ND
 Roger F. Carpenter, Hunter, ND
 Dale and Erma Peterson, Hunter, ND
 Dennis and Geraldine Peterson, Grandin, ND
 Joel C. Porter, Grandin, ND
 Ed and Mae Tate, Grandin, ND
 Robin and Loren Radebaugh, Grandin, ND
 Larry R. Thompson, Hillsboro, ND
 Lillian John, Hillsboro, ND
 Larry Nelson, Hunter, ND
 Doug Tate, Grandin, ND
 Fred John, Orange, CA
 Gary and Glenda Smith, Cummings, ND
 Winnifred Jane Kopanger, Hillsboro, ND
 David J. Holter, Chairman, Traill County Water Resource Board,
 Hillsboro, ND
 Richard Keller, Fargo, ND
 Keith Brown, Kansas City, MO
 John Tate
 Scott Thompson, Fargo, ND
 Mrs. Junelle Moen, Galesburg, ND
 Dale A. Thompson, Rugby, ND
 Stanley M. Moore, Jamestown, ND
 Ruth Rust, Clerk, Hillsboro Public Schools, Hillsboro, ND
 Joel Berkas, Mounds View, MN
 Elaine Thompson, Clifford, ND
 Kenneth Ewertz, Chairperson, Board of Education, Dakota Public School
 District No. 3, Hunter, ND
 Walter Kozajed, Gloria Porter, William Motter, Dean Ecker, and
 John Porter

Otto Bertsch, Hillsboro, ND
 Mrs. W. Hertwig, Blanchard, ND
 Wayne and Virginia Satrom, Galesburg, ND
 Fred Schumacher, Kindred, ND
 Jim Killingbeck, Bismarck, ND
 Arthur G. Bilden, Mayor, Northwood, ND
 Fanny Welte, Aneta, ND
 Leslie O. Nesvig, LaMoure, ND
 James Brekke, City Auditor, Hillsboro, ND
 Emelie (Berkas) Femrite, Bloomington, MN
 Arden N. Grundvig, Grand Forks, ND
 Hal Habermann, Superintendent, Dakota Public School District No.3,
 Hunter, ND
 John Thomas Kinney, Livingston, NJ
 Duane L. Otto, Langdon, ND
 Ronald Porter, Grandin, ND
 Isabelle Nehring, Fort Fairfield, ME
 Wes and Luella Reisenburg, Hope, ND
 Ardie Thorson, Page, ND
 Malcolm S. Tweten, Senator, Buxton, ND
 John J. Mullen, Councilman, McVillage City Council, McVillage, ND
 Miles Lund, Chairman, Steele County Board of Commissioners, Finley, ND
 Bernice Porter
 Gloria Porter, Grandin, ND
 Mr. & Mrs. John Motter, Hope, ND
 Keith Seaver, Portland, ND
 Curtis O. Twete, McVillage, ND
 Tom Ensrud, McVillage, ND

RECEIVED
FEB 28 1986

The University of North Dakota

GRAND FORKS 58201

DEPARTMENT OF PHYSICS

HQ Electronic Systems Division/SCO

ATTN: LT. V. G. Brown

Hanscom AFB, MA 01371

August 18, 1986

Lt. Brown:

Thank you for the draft Environmental Impact Statement for the OTH-B Radar System. However, if you check your notes I think you will find I specifically requested technical information on the theory of operation--as much as is unclassified--and some discussion of such points as the apparent vulnerability of OTH-B to direct attack. I can see that some of this is dealt with in the EIS, but not very much. If possible, I would very much appreciate any other information you could send at this time. Enclosed is a description of the nuclear weapons course I teach at the University of North Dakota. I provide this as an explanation for wanting to know this information.

Best wishes,

William A. Schwaalm

William A. Schwaalm
Assoc. Prof. Physics

COURSE OPTION FOR FALL SEMESTER 1986

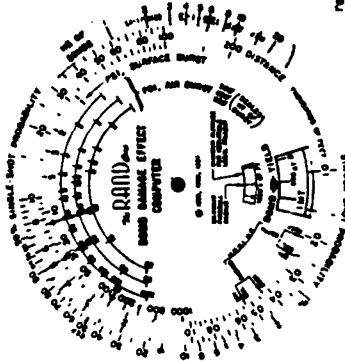
Nuclear Weapons

ARTS AND SCIENCES 250 FALL 1986 UND
3 credits, no prerequisites, Bill Schwaalm
Physics Department (call number = 28312)
The course was mistakenly unlisted. Basis

THES. TIMES. 2:00-3:20 Leonard Hall 100

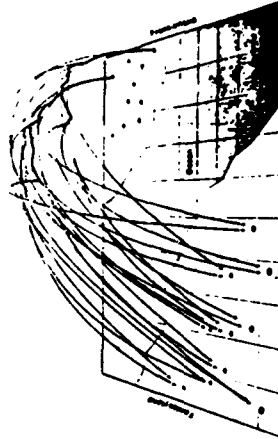
OBJECTIVES:

There will be several objectives, including the following: 1) to look at the basic processes of nuclear reactions and nuclear energy; 2) to learn about the history of the bomb; 3) to understand the physical facts; 4) to understand the characteristics of weapons systems, with many particular weapons chosen as examples from both the US and the Soviet arsenals; 5) to understand the relationship between the physical capabilities



ties of the weapons and their envisioned use, 5) to see how the strategic factors thus defined influence arms control policy, 6) to look at the current force balance, and to identify the delicate factors influencing its stability.

The course is organized around a new text on nuclear weapons by Dietrich Schroefer. Syllabus available for inspection at Physics office.



Physical Properties

Syllabus of the course

- 1. A survey of 1986 on the development of nuclear weapons systems, to be followed by 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130, 3131, 3132, 3133, 3134, 3135, 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3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 37

Comments on the
Central OTH-B Radar System

G1

Ronald & Gloria Porter
RC 1 Box 63
Grandin, ND 58238
Sept 15, 1986

Dear Lt. Brown & Col Lee,

I request that you extend the comment period for the Draft Environmental Impact Statement for the Central Over the Horizon Backscatter Radar Program from Oct 6 to Dec 1, 1986.

As a landowner and farmer in Bainsack Township, Grand Co., parts of the Blanchard Study Area, we feel we were not properly informed as to site area location, SCOPE meetings and hearing date.

The location of the meetings in Fargo and Grand Forks was unfair to the people in our area. Also Sept 9 was pre many election in Minn., apparently disregarded. Feb 26 At the SCOPE meetings in Fargo Feb 26 we were told there would be more local meetings in July - Sept. There were none in our area. However we are aware that a meeting was held June 12th in Wheaton, Minn. We think all areas should have had meetings in their area - ours in Hillsboro at the National Guard Army.

From Feb 26 until Aug 18 when we received the DEIS book we awaited the date of our local information hearing. No word until about Aug 31 when we received your letter, Col Lee, informing us of the hearings in Grand Forks Sept 9 and the comment period deadline of Oct 6, 1986.

As citizens we feel you have not given us a chance to properly read the DEIS and address our questions and comments. We ask for a local meeting and an extension to Dec 1, 1986 of the comment period.

Ronald & Gloria Porter

COMMUNICATIONS

MUTUAL AID CORPORATION

P.O. BOX 270
PARK RIVER, NORTH DAKOTA 58270
PHONE 701-284-7221

September 10, 1986



Lt. V. G. Brown
ESD/SCO
Hanscom Air Force Base
Massachusetts 01731-5000

Subject: (OTH-B) North Central Region

Re: DEIS

Dear Sirs:

I have reviewed the Draft Environmental Impact Statement (DEIS) and I find no mention of how buried utility facilities, i.e., telephone cable, electric power lines, gas lines, water lines, etc., will be treated. Throughout all proposed sites there exists all of the above mentioned facilities, with more to be added.

It would seem to me that this subject should be addressed because of the impact this might have on total costs of the system. I would expect that monies will be included in the appropriations bill for relocating such facilities.

In 99% of all cases, these facilities have been placed on private right-of-way at considerable expense. Further, considerable amount of time, effort and engineering will have to be expended in order to relocate these facilities.

I request that information be forwarded to me as to what action is contemplated and that a statement be added in the final EIS, so that any one reviewing it will be made aware of the buried utility facilities, and as the plans for the proposed north central site progresses that ample time is allocated for relocating purposes.

Thank you.

Sincerely,

Winton A. Gunderson

Winton A. Gunderson
General Manager

Jt

TRAILL COUNTY SOCIAL SERVICE BOARD

ADDRESS ONLY TO
COUNTY DIRECTOR

HQ Electronic Systems Division/SCO
OTN-B Systems Program Office
Attention: Col. James A. Lee
Hanscom AFB, MA 01731-5000

HQ Electronic Systems Division/SCO
OTN-B Systems Program Office
Attention: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

G1, G4, G5, G6, G7, G8, G9

RE: Central Radar System

Gentlemen:

The Traill County Social Service Board hereby voices their objection to the proposed location of the Central Radar System project in Traill County.

1. There is no reliable data available concerning the health hazards of such a system.
2. The land to be used for the system would cause a large loss of tax base for the County, townships and school districts.
3. The construction of the system will cause numerous drainage and water problems in the area.
4. Prime family farmland will be destroyed by the construction of this system.
5. The system will lower the value of adjoining land and buildings.
6. There will be a negative impact on the county and township roads during the three to five year construction period. There could be heavy maintenance problems on said roads after construction.
7. There is no lasting benefit to the local economy after construction of the system.
8. After twenty (20) years the system site could be decommissioned and used for any military purpose.
9. Local communications such as radio, television, business and citizen band radios in the immediate area of the system could be unreliable.

The Traill County Social Service Board took all these factors into consideration in opposing the location of the Central Radar System within Traill County.

The Traill County Social Service Board requests the following items:

1. That the current period for the draft environmental impact statement for the proposed Central Radar System be extended from October 6, 1986, to December 1, 1986.
2. That another hearing be held for the Galesburg and Blanchard study areas at the Hillsboro National Guard Armory.

Thank you for your consideration in this matter.

Sincerely,
Orville W. Overmoor
Chairman

10/3/86

HILLSBORO, NORTH DAKOTA 58045
TELEPHONE 701/438-5200
September 17, 1986

Sir;

I must write immediately & have
just read your column in the
local paper and I am angry.

We have a petition in our place of
business, put there by Mother's Union
the direction of Pastor, to be signed
by the negatives. It infers me
when I read the things they say
"Baili" happen. I come from a farm
background - was born & raised on a farm
in Grandfield Twp. My husband is a self-
employed mechanic (35 yrs) in Blanchard
and he paid price to that. He's living and
living hard from your spreading lies.
Tractor, tractor, combine & what not, but
progress must go on.

Bill Hill Co. commission
Blanchard & Orville's farm - one, pulled
equipment dealer in Hillsboro, one retired,
college professor, Magill - another a retired
young high school teacher - etc. Don't think
see the benefits of what you've spread
of what you've spread? They have no
local statistics. The points to keep before
signing their petition are childlike statements.

These people are our friends and some are die customers - but I disagree - what I want is and many more do too.

I have faith that if this "Blanchard" site is chosen, as I firmly believe, that already been designated, as the place - it is the most favorable site and it is a project being done for our future selves. It must go somewhere - why not, the best place?

I thank you for letting me run off at the mouth (pencil) -

Sincerely,
Wm. Wallace Nitz;

121 2054 April 17, 1956

Dear Sir,

I want you to know just how angry I am about the proposed CTH-B System. I am a land owner in the Horse River Survey Area, and I want the Airforce to know I will not co-operate, in any way, from now on regarding anything to do with the minds or this proposed system. We do happen to have a nice sight 4 miles from our home and prior to this I have tried to co-operate, but no longer I consider myself a patriotic American but I am strongly opposed to further acquisition of land by the Airforce for any reason. There is decommenced units (Baker) in our state, and now we must put up with a proposed system for a prospective 20 year period. This does not make sense. North Dakota has already done its part by allowing the Airforce as well as the state to take agricultural land out of production. Now you are considering running 2400 acres in a study area. The impact on the Air Base of a Township would be

MESSAGE/REPLY

TO

Lt. VG. Brown

ESD/500 Hanscom AFB

Hanscom AFB, Mass 01731

FROM

Lloyd Toffe
1409 N 14th Street
Wahpeton, ND 58075

1471

TRIP

SUBJECT

QTHB Radar System

DATE 9/16/86

MESSAGE

I appreciate your work in setting up an Over the Horizon Backscatter Radar Program. It is important for national defense. For 13 years I lived in Edgeley, ND which is 19 miles from the Coast Guard OMEGA Transmitter at LaMance, ND. At that time I taught Physics at Edgeley High School and brought each year's students to see the site. The hours that people had about the installation never materialized. Thanks again.

Lloyd Toffe

REPLY

SCAND

DATE

SEND PARTS 1 AND 3 WITH CARBON INTACT. PART 2 WILL BE RETURNED WITH REPLY

02458

devastating for any Township. I am afraid that spending 600 million for a system devoted solely to just another Bombsightle impostor on co taxpayers. If our air bases don't have radar, to detect incoming planes at the present time, we are just fooling ourselves that a system of this nature will further improve the protection for the Golden spert.

I do not understand why the Air Force has devoted comments to Hanscom Air Force Base in Massachusetts. Could it be that that is far enough away to deserve writing to express our feeling? I am also wondering why so few public hearings were held there in the area impacted by the proposed system.

I am completely opposed to the system as it would impact our wildlife as well as our agricultural Base. I will do my utmost to prevent it.

Sincerely,

Hardest B. Withers
ND 58075



Minn-Dak Farmers Cooperative

RECEIVED
SEP 24 5 28 PM '86

ROUTE 1 BOX 10
WAHPETON, NORTH DAKOTA 58075-9705
TELEPHONE (701) 642 8411

September 9, 1986

G7

TO Whom It May Concern:

It has been brought to my attention that the United States Air Force is considering a large scale radar installation just west of Charlesville, Minnesota.

Minn-Dak Farmers Cooperative, a Wahpeton, North Dakota based sugarbeet processing facility, operates a satellite receiving station in the Southeast Quarter, Section 25, Tintah Township, three (3) miles East of the proposed site.

Due to the perishable nature of sugarbeets, proximity (within 15 miles) to a receiving station is not only advantageous but a necessary requirement to reduce harvest risks by decreasing travel time from field to receiving station.

Weather patterns, soil characteristics, potential acre density, and available truck routes are all considered when determining a receiving station location. The receiving station at Charlesville meets all criteria and has been in operation since 1974. Minn-Dak Farmers Cooperative has made a long term commitment to serve the sugarbeet growers in the Charlesville area and the growers have made long term commitments to produce sugarbeets, a heavily capitalized, very specialized crop.

Currently, 2,000 acres of sugarbeets are being grown within the confines of the proposed site. This represents 25% of the total acreage that is committed to the Charlesville receiving station. Loss of this portion of the growing region could not be made up through land substitution due to hauling logistics and would force the affected growers out of business.

Another 1,250 acres currently utilize County Roads 18 and 99 to deliver this perishable crop to the Charlesville station, but are currently outside (West) of the proposed site. This tonnage (20,000 tons) would have to be diverted to alternate routes increasing harvest time, harvest risks and associated traffic hazards.

Page 2

Presently, 75% of the sugarbeet acreage can be found within ten (10) miles of Charlesville. Removal of the strategically located acreage under consideration would have an irreversibly devastating effect on area growers and the Cooperative. As such, we feel an alternative site, which does have the unique, distinctive characteristics of the Charlesville site, would better serve the purposes of the United States Air Force.

Sincerely,

Tom Knudsen

Tom Knudsen
Agricultural Manager

Encl: affected grower and acreage summary

TK:sj]

September 22, 1986

26 Sep 86

114 Electronics System Division/500
CNI-B Systems Program Office
Att. Lt. V.G. Brown
Hanscom AFB, MA
01731-5000

1986 ACRES OF SUGARBEEETS WITHIN PROPOSED AREA

Jerry Berger	82 acres
Daniel's Farms	286 acres
Earl Davison	78 acres
Ed Hasbargen	125 acres
Ernie Hasbargen	125 acres
Fred Hasbargen	190 acres
Morgan Farms	384 acres
Lyle Raguse	146 acres
Larry Raguse	160 acres
Marvin Raguse	160 acres
Bill Raguse	118 acres
Aloysious Meyer	<u>120 acres</u>
	1,971 acres

1986 ACRES OF SUGARBEEETS OUTSIDE AREA TRUCKED THROUGH AREA

Robert Boyer	185 acres
Braun Brothers	381 acres
Alan Raguse	254 acres
Bred Raguse	120 acres
Lyle Raguse	120 acres
Bill Raguse	<u>200 acres</u>
	1,260 acres

G3, G4

Dear Gentlemen:

I am writing to express my concern over the placement of a receiver for the over the horizon backscatter radar system. There has been fifty sections of land in Traill and Cass counties sited by the Air Force for this radar system. This is rich valuable farmland the Air Force is considering to destroy along with the destruction of farmsteads that have been in families for generations.

The owners of these sections have not been notified by the Air Force that their land is being considered for the receiver site. The defense department is going to make a decision for the sites of the transmitter and receiver in December. Therefore the Landowner's livelihood could be wiped away in one decision in December. As I understand the government can come in and take over the land with no questions asked. As of now the Thief River Falls community has voiced more interest in this project for employment opportunity than Traill and Cass counties in North Dakota.

I am personally involved with this decision for a receiver site as my father and mother own one-half of Section 31 in Bloomfield township being considered for the receiver site. My parents bought this land with their hard earned money and it has been paid for. I helped harvest crops off this land. I watched my mother and dad work this land side by side. They had pride in this land. After my dad died in 1983 mother has farmed the land on shares with my cousin. This land is part of my family. I would hate to see part of my family taken away in one grand sweep by a government decision.

Sincerely yours,
Jinda Wood
Jinda Wood

Trail County North Dakota



September 17, 1986

HQ Electronic Systems Division/SCO
 OTH-B Systems Program Office
 Attention: Lt. V. G. Brown
 Hanscom AFB, MA 01731-5000

HQ Electronic Systems Division/SCO
 OTH-B Systems Program Office
 Attention: Col. James A. Lee
 Hanscom AFB, MA 01731-5000

RE: Central Radar System
 Gentlemen:

The Trail County Board of Commissioners met with concerned citizens on September 16, 1986. Those citizens presented the following concerns with the Central Radar System project:

1. There is no reliable data available concerning the health hazards of such a system.
2. The land to be used for the system would cause a large loss of tax base for the County, townships and school districts.
3. The construction of the system will cause numerous drainage and water problems in the area.
4. Prime family farmland will be destroyed by the construction of this system.
5. The system will lower the value of adjoining land and buildings.
6. There will be negative impact on the county and township roads during the three to five year construction period. There could be heavy maintenance problems on said roads after construction.
7. There is no lasting benefit to the local economy after construction of the system.

Page 2

8. After twenty (20) years the system site could be decommissioned and used for any military purpose.
9. Local communications such as radio, television, business and citizen band radios in the immediate area of the system could be unreliable.

The Trail County Board took all these factors into consideration and passed the enclosed Resolution opposing the location of the Central Radar System within Trail County.

The Trail County Board of Commissioners also requests the following items:

1. That the current period for the draft environmental impact statement for the proposed Central Radar System be extended from October 6, 1986 to December 1, 1986.
2. That another hearing be held for the Galesburg and Blanchard study areas at the Hillsboro National Guard Armory.

Thank you for your consideration in this matter.

Sincerely,

Gilman Wastvedt
 Gilman Wastvedt
 Vice-Chairman
 Trail County Board of Commissioners
 SAL/baf

RESOLUTION

Upon a motion made and seconded the following resolution was unanimously passed by the Board of County Commissioners of Traill County.

RESOLVED, that the Traill County Board of County Commissioners are hereby opposed to the location of the Central Radar System within the boundaries of Traill County, North Dakota.

Dated this 16th day of September, 1986.

Attest:

James Ferguson
Traill County Auditor

William Pastorek
Vice-Chairman

September 22, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Col. James A. Lee
Hanscom AFB, MA 01731-5000

G1

RE: Central Radar System

Dear Colonel Lee:

I am requesting that the comment period for the draft environmental impact statement of the proposed central radar system be extended from the October 6th deadline to December 1, 1986. The information concerning the hearing held in Grand Forks was inadequate. Most of the residents of the Blanchard survey site were not informed as to the location of the survey site and the names of the townships involved in that area. Also, those who were fortunate enough to receive a draft of the environmental study did not receive their copies until the third week in August. Thus, most people in the Blanchard survey site area were not prepared to ask questions or to comment on the survey.

Because of the impact to the immediate communities, I request that a hearing be held in each survey site area. The Hillsboro National Guard Armory would be a good location for the Galesburg and Blanchard areas.

Not only is it in our best interest to be an informed public, but we feel that the hearing is an important part of the survey process.

Sincerely,

James A. Lee
Colonel

Copies of the preceding letter were also submitted by the following people:

Daryl M. Barron, Grandia, MD
 Liz McSparron, Grandia, MD
 Eldon & Elaine Saunders, Hunter, MD
 Everett D. Christensen, Cummings, MD
 Gene & Daphne Porter, Grandia, MD
 Mr. & Mrs. Henry Schlichtmann, Millsboro, MD
 Dale & Erna Peterson, Hunter, MD
 Dean Echer, Grandia, MD
 Gerald J. Radebaugh, Grandia, MD^a
 Loren E. Radebaugh, Grandia, MD^a
 Dunbar & Mildred McSparron, Grandia, MD
 Jon McSparron, Grandia, MD
 Kenneth & Dorothy Halverson, Millsboro, MD
 Doug Tate, Grandia, MD
 Clarice Sherritt
 Brett A. Radebaugh, Grandia, MD^a
 Dennis & Geraldine Peterson, Grandia, MD
 Otto Bertsch, Millsboro, MD
 Mr. & Mrs. Bruce Thorstad, Grandia, MD
 Grace & Glenn Porter, Grandia, MD

Joel & Bonnie Halverson, Galesburg, MD
 Annelio Thompson, Blanchard, MD
 Mr. & Mrs. Arnold Knudson, Millsboro, MD
 Harold Stokke, Grandia, MD
 Leon Bertsch, Millsboro, MD
 Gary & Glenda Smith, Cummings, MD
 Pearl Bertsch, Millsboro, MD
 Francis & Liz Kritsberger, Millsboro, MD
 Patricia Bertsch, Millsboro, MD
 Harold W. Weible, Minneapolis, MN
 Dan Willes, Blanchard, MD
 Mr. & Mrs. Ralph Thompson, Blanchard, MD
 Mrs. Duane Smart, Millsboro, MD
 John Tate, Hunter, MD
 Mrs. John Tate, Hunter, MD
 Morris and Kathleen Melander, Hunter, MD

^aThese individuals also submitted the sheet reproduced on the next page.

Reasons for our opposition to the project

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local Communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.

GL, G5, G6 Revd 20x86

I live in Conneaut township 20-14-51 Blanchard study area. I am very keen on the idea of saving the radar system in the Blanchard area. Two out of five years we have severe water problems with surface water in the spring. A lot of water comes from the west along Trail County road. Most of the time the north-south roads work as dikes to slow up the water so the water can drain away at a reasonable rate. Our area is so flat that we don't have any place for retention dikes without flooding someone's land.

I have land in 19-14-51 and 24-14-52 that I paid \$1000 per acre for. I have spent eight years of my life working sometimes 20 hours a day to pay for the land. I certainly would not consider selling or renting it for less money.

Your book does not mention that we have had rural water for 9 years. Also, Trail County doesn't have any decent gravel left in it. We have to go 50 miles for gravel.

If your high wood fence was close to any of our roads, it would block the road permanently with snow in the winter.

If you come into our area Senator Burdick's office has assured me that I can appear before the Senate Appropriation's Committee not to be against the radar system but to protect an endangered species, THE AMERICAN FAMILY FARMER. We have a lot of marginal land and or government owned land in North Dakota or Minnesota that could be used instead of our very productive farmland here.

Our cost each year to work and seed an acre of land is \$100 per acre which is \$240,000 a year or \$4,800,000 lost in 20 years. All economists tell us that the money tax farmers spend magnifies itself by a factor of 7 or a total of \$33,600,000 lost to the local area in 20 years. We pay \$900 per quarter section in taxes for a total of \$255,000 lost in 20 years.

Since you wouldn't come into our local area for any public informational meetings my neighbors and I have held several meetings of our own to inform the public of all the negative impacts of this proposed radar system. We couldn't think of any positive impacts. Local ABC, CBS, NBC television stations and all local papers have given us very good coverage.

Sincerely,

Dennis J. Dethlefsen
D. Dethlefsen

1304 Sp

140 West 19th Avenue
Columbus, Ohio 43210
September 27, 1986

Lieutenant B. G. Brown
HJ Electronic Systems Division/SCD
UIN-B Systems Program Office
Hanscom AFB, MA 01731

Dear Air Force:

G1

This letter is in regard to the proposed backscatter radar site in North Dakota. My family owns farmland in Traill County, Bohnsack and Greenfield townships, North Dakota. Our land, 12 quarters, is located within the so-called "Blanchard Site", which is actually located closer to Hunter than to Blanchard. I manage this land, which was purchased by my grandfather; it is listed under Lhenault, AK or Lhenault, LM in the current plat book for Traill County.

We, the owners, are hereby on record as opposing this site. Furthermore, we object to the way that this matter has been handled. As landowners, we have received no notification. There have been no hearings in Traill County. Four generations of my family have been associated with this land in Traill County. We promise to fight with all our energy and our resources any take-over. Our land is not for sale for any price.

Sincerely yours,

Harry C. Hershey
Harry C. Hershey

REC-100
1304 Sp

September 26, 1986

G1, G2, G3

Dear Gentlemen:

It has recently been publicized that the Defense Dept. has narrowed its choices for placing an Over the Horizon Backscatter receiver to the Blanchard, N.D. and Thief River Falls, Mn. area. Since my mother owns land near Blanchard and the land is located in one of the sections mentioned as under consideration, I wish to voice my opposition to the receiver.

My first concern is the lack of information provided about the receiver. As of today, the Defense Dept. has not contacted any of the landowners who would be affected. Only one general informational meeting has been held and that was in Grand Forks, N.D. -- 60 miles from the area affected. Preliminary Environmental Impact statements were distributed at the meeting. I feel these should have ^{been} presented to the landowners as well.

Secondly, I question the life expectancy of such a receiver. The fiasco involving the ABM site at Nekoma, N.D. makes me fear that the Blanchard area could go from a boom town to a ghost town should the receiver of to be abandoned by the Defense Dept. shortly after being built.

Thirdly, from a personal side I grow up in this area and would hate to see my home replaced by barbed wire and cement. Let alone see the land my parents worked long and hard to be able to buy be turned into a military site. The land is rich and produces crops which support a way of life that is too quickly vanishing. Couldn't the Defense Dept. find a swamp?

Sincerely,

Ray Ulland

Ray Ulland

RECEIVED
SEP 26 1966

G1, G2, G4, G6

September 26, 1966

Dear Gentlemen:

I am writing to voice my objection to the placement of an Over the Horizon Buckcatter receiver in the Blanchard, N.D. area. My reasons for objecting follow.

First, there has been a lack of information furnished by the Defense Department. I first learned the land I own was under consideration when the local paper listed the townships and section numbers. This was not printed until after the only public meeting had been held by the Defense Dept. in Grand Forks, N.D. Since I was not at the meeting I did not receive the preliminary environmental impact statement or any other related information.

Secondly, I don't feel the Defense Dept. has adequately addressed what side effects this project would have on the surrounding townships and school districts. Who would be responsible for rerouting the water drainage system? How would the lost land taxes affect the school districts? What would happen should this receiver be deemed obsolete? Would the Defense Dept. reclaim the land to its original state?

Thirdly, the land I own is 100% farmable. No swamps, no creeks. My late husband and I worked 30 years before we were able to buy it. We spent untold hours working together on this land. Also included in the Defense Department's map is the farm I grew up on. This is a third generation farm which would be lost. It seems unfair that my nephews who already struggle with low prices for their crops have to now fight the government to keep their way of life.

This action by the Defense Dept. is causing division in the community and I ask you to use your influence to urge the Defense Dept. to consider other sites where the loss of farmland would not be so high.

Sincerely,

Bessie Ulland
Bessie Ulland

RECEIVED
30 SEP 86

Mr. & Mrs. Vernon G. Johnson
315 2nd St SE
Hillsboro, ND 58045

September 25, 1986

HQ Electronic Systems Division/SCD

OTM-B Systems Program Office

Attn: Lt V. G. Brown

Hanscom AFB, MA 01731-3000

G3, G4, G5, G6, G7, G8, G9

Sir:

We, as concerned citizens of Traill County, North Dakota, feel it is our responsibility to voice our opinions and raise some important questions regarding the location of the Over the Horizon Backscatter Radar site in our county. Our same government, which was built by agriculture and which recognizes a special week for soil conservation and stewardship, is planning to waste prime farmland in the middle of one of our country's most fertile farm areas, disrupting the livelihood of some rural farm families for generations to come.

The use of prime farmland for this radar site is unthinkable when there are many areas of barren and unproductive land available for this use.

In addition to the land lost for agriculture, other questions arise, such as health hazards. What guarantees do we have that there will be no negative impact to the health and well-being of people, livestock, wild-life and plant life surrounding the site?

How will the drainage and watershed of the site and surrounding area be effected?

There will likely be no lasting economic benefit to our area and the value of land adjoining the site may well decline. How will this devaluation and the loss of tax revenue from the site itself impact the tax income for the county, township(s) and school district(s)?

What effects will there be on the roads in the site area during and after construction? Who will bear the costs of repairs and improvements?

Will this site land ever be suitable for farming again or will it become a refuse area for military use?

What impact will there be on local communications such as radio and television?

It is our firm belief that some area of less productive land could be used for the radar site. It is our firm belief that a very careful and thorough study of these questions and issues be completed before any site is selected or any work is begun.

Sincerely,

Vernon G. Johnson
Mavis J. Johnson
Glenn W. Knecht
Debra J. Knecht

Comme. J Letter
Central OTH-B Radar System
Sept. 28, 1986

R2: Blanchard Radar Site

Rev'd
3 Oct 86

G1, G3

The Editor
Fargo Forum

September 26, 1986

I would like to thank the Forum for its Sep. 23rd editorial asking the Air Force for an extension of the comment period on the proposed Blanchard Radar Site. In fact the media in general should be thanked for covering our meetings which has helped in "getting the story out" on this matter.

Our primary concerns are rather basic. We have not had enough time to register or to get information on this project. Therefore we need a public hearing in the immediate area so that everyone can understand the dimensions and reasons for this system. After that we need an extended comment period so that everyone that wants to may react to the information. We are also deeply concerned about the project using prime family farmland.

In no way do these concerns question the need or advisability of this radar installation. We understand that we need adequate defensive systems I think most of us feel that way and will accept some adverse impact of military installations if necessary.

But the point in this matter is, "is it necessary for this installation to be in an area where it will affect very good farmland and a relatively large number of people?" I don't think so. We know it needs to be within a 50 mile radius of the Grand Forks A. F. B. Looking at a map that is understandable because that gives the proper location for the radar coverage needed. However, in that area we know there are numerous cities which have very marginal non-productive land. That is where this site should be located. Normally where the land is poor or non-productive very few people live. Therefore it would disrupt less lives.

I have heard of a few people who question the complaint that we have of good farmland being used. They say that the government is now paying farmers for taking some land out of production so why worry about it.

In answering that point let me say that I hope some better National and World-wide solutions can be found to correct our over supply of food problem. This world doesn't have to much food, rather we have failed to find a way for everyone to eat it. In this country we should also be concerned about the long term impact of careless land use. We are paying over thousands of acres every year. Some day this country and this world may desperately need it. Once it is destroyed it is gone forever. Your cannot make good farmland. We need to be good stewards of our land. It is a God given natural resource that we should not take lightly. I hope that the Air Force takes that into its consideration.

Rev. J. J. Olsen
RR 1 Box 84
Hillsboro, N. Dak.
Phone 436-4001

Ronald & Gloria Porter
RR 1 Box 63
Grandin, N. D. 58038

Dear Col. Lee,

We are opposed to the Blanchard Area study site as a location for the receiver of the C.R.S. We will explain our reasons and concerns with this letter and pictures that are inclosed. We hope you will again look at these pictures and the locations. These are copies of the original pictures I showed to you after the meeting hearing in Grand Forks on Sept. 9, 1986. *It would like to mention again.*

1. The Red River Valley is a "National Treasure" as the "Bread Basket of the World". Prime family farm land will be completely destroyed and be forever lost. Agriculture is basic to LIFE. No one will want to live on farm near this huge metal structure, thus a lower value of adjoining land and buildings.
2. The increased tax burden on county, township, school districts, fire districts and social welfare program costs due to lost tax revenue.
3. Major problems with surface water drainage. Remember we are in a lower area of the precipitation Lake Agassiz (3,2,2) Our Fargo clay soil is poorly drained and has no permeability. (3,2,3,2)

Our soil is suited to small grains, sugar beets and grasses and sunflowers, not construction. You have no realistic idea of our unique soil until the day the helicopter crew lands in a beautiful black field after a rain. There are even people who farm 20 miles from our township who are ignorant of Fargo Clay. It doesn't drain! Water doesn't run off easily. This is the bottom of a lake! The pictures show the problem of erosion, but I don't have an airplane so I didn't get the pictures of the water covering every section to the west of our farm from the air. But please call or write Trall Co Sheriff Richard Fisher, Hillsboro, 718 58045 or call (701) 436-4510. He is also the Civil Defense Director for Trall Co. He can tell you how the drainage works in a lake bottom. I think the Hillsboro Banner, Hillsboro, 718 may also provide stories reported about the flooding throughout the past 100 years. In recent years 1979, 1982, 1984 have caused concerns, however torrential rain in early July in 1975 destroyed growing crops because of the poor drainage. At that time the railroad held back some of the water, but the railroad has been abandoned when the railroad bed is removed the water will increase faster, causing more flooding and there

- will be more problems with water going over the township roads. I hope you have also discussed this with the Co. Porter Board. Poor drainage!
5. As a township board member I am concerned about the negative impact on township county roads during the 3-5 year construction period, and maintenance of roads during & after. We are concerned where we will get our gravel & the costs for gravel hauled to our local roads. The township must go nearly 50 miles now for good road gravel - where will it come for the site? The increased costs of snow removal on roads near the site. Our plows don't come immediately - we have to wait our turn - will the Air Force? What price will snow removal cost? are township taxpayers.
6. No lasting benefits to the economy (local) after construction. Only additional problems to affected farm families, relocation, loss of income producing land & increased stress.
7. Fears that after 20 years the site could become a military or nuclear refuse dump.
8. Health Issue - No reliable statistics or data concerning health hazards. Page C-19 (C-25) In the DEIS the Experimental Radar system was not operated 24th day and never at the power level of the proposed system, 900 hours at 120 kw - less than 17th? or 16th? (2-8) 2.1.1.6 The east coast sites at Pineau, & Columbia Falls, & Bangor, Maine should be operational & tested completely before any other are begun. Why do they need more land near Bangor, Maine already?

9. Local Communications such as radio, TV, business, & citizen band radio in the nearby immediate area could be unreliable for many farm families. or hearing in Grand Forks

10 We are concerned the DEIS did not explain or show adequate pictures or hearing in Grand Forks of the receiver (complete structure) in Columbia Falls, Maine at the Macaw, Maine site. The C.R.S. will be larger, but the DEIS lists so many sizes, I think the FEIS better have it pictured, detailed & enlarged so we understand. From 8,000 - 19,000 is a lot of difference in size!

11. There is a major Fireworks Factory located south of Hunter in Cass. Co., about 4 miles south of the Blanchard site study area center. This factory produces and tests regularly their display products. This company provided fire works displays for one of the Statues of Liberty 4th July Week End Displays. They do big jobs! They also employ local people! I think they manufacture year round.

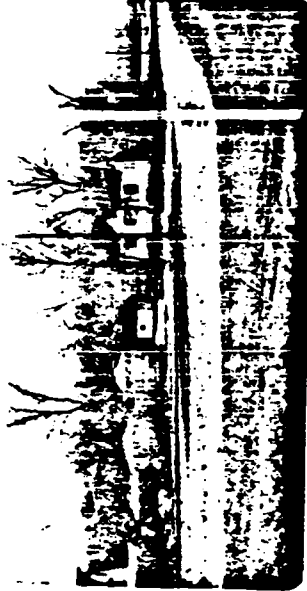
We are opposed. You need more information, and we need more information. We think you can find another location or system to do this job well.

I know this is long, but we thought you should know these things.

Thank You,
Ronald & Gloria Porter
(701) 436-4026

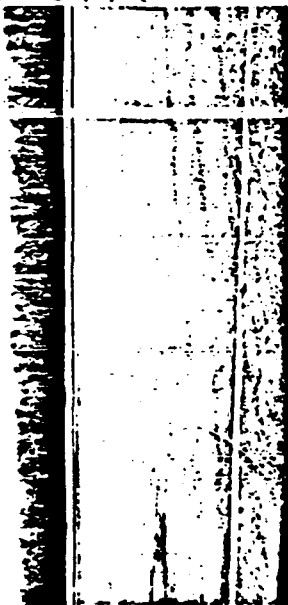
Bohmer & Downcamp Charles Co. N.D. April 1971

SE 1/4 sec 28
144N-51W
Water was within 5' of front steps, and water damaged grain in bins. Water had gone down at time of picture. Before entire sec 28 was under water



Looking NW into sec 28 SE 1/4.

Water covered entire sec. but frost up midday



SW 80A of the SW 1/4-27
144N-51W
Looking N
migratory birds feeding in we flooded fields on Good Friday April 1971





SE 1/4 sect 28
144 N-51 W

water
Ronald
Potter farm

Looking
North to
NE 1/4 of sect 28
144 N 51 W



water
Robert Potter
farm

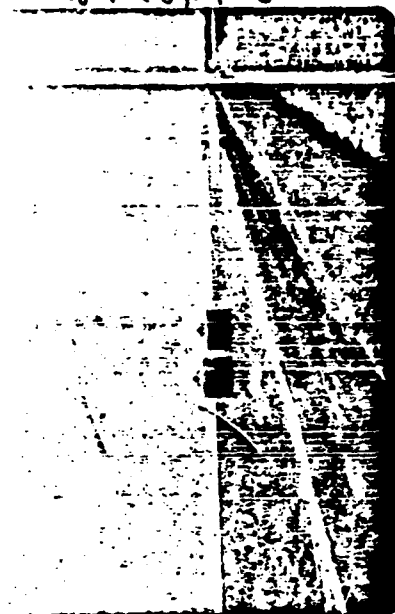


NE 1/4 sect 33
144 N 51 W

Looking South
entire sect
was under
water + more
was coming
from the west
Glenn Potter
farm



Sect 26 + 35
144 N-51 W
road - bridge
water was
higher + over
bridge



SE 1/4 sect 30
144 N-51 W
Looking N to
Sect 19.
Drain lines
are gone -
they always
had water in
grain.
Water now
across road
before picture



NW Corner
Sect 31
144 N-51 W
Looking SW
into
Greenfield (144 N 51 W)
Sect 36 + 25
near Shirley
farm in
distance



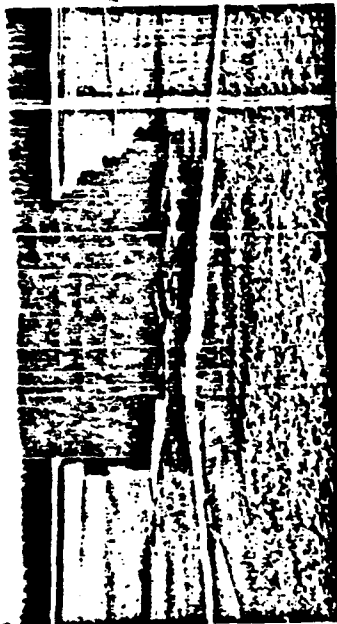
sect 26 & 35
road & bridge
water was
higher &
over
bridge



SE 1/4 sec 30
144 N 51 W
Looking N to
sect 19
Krain line
are gone
now they
always had
water in grain
water ran
across
road
before picture



NW Corner
sect 31
Looking SW
into
Breenfield
Melle Widley
farm in
distance



SE 1/4 sect 28
Looking W
from toward
road on east
side of sect 28
Water over
entire section
slowed by
freezing

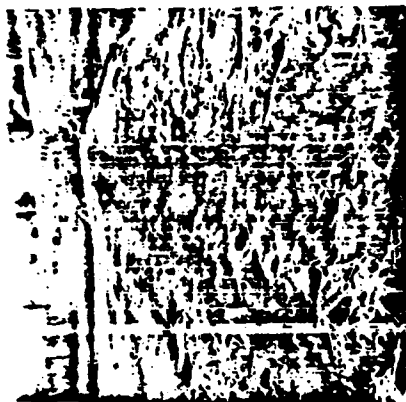


SE 1/4 sect 28
144 N 51 W
Water on
all sections
to west to
Highway 18
and more to
come off "
the ridge on
beach rise



SE 1/4 sect 28
Water froze
during the
wind blew
strong from
NW

Bahnasack Township Traill Co. N.D.
144 N - 51 W April 1979



Township road between
sect 26 & 36 water over
the road caused erosion



Looking West
sect 31 3/4 mile
Erosion



Traill Co v Cass Co Line
Bridge washed out
between sect 35 - 144 N - 51 W
and Bell Township

Bahnasack Township Traill Co, N.D. April 1979
144 N - 51 W Erosion



NE 1/4 - 34 SE 1/4 - 27

washed out
outlet

Traill Co #1
Road sign



NE 1/4 sect 28 looking
east to NW 1/4 sect 27
144 N - 51 W.
Traill Co Road #1
to left
Robert Porter farm
to right



Looking east to NW 1/4 - 33
road & wash out east
side of sect 22
Note waterline in
grass ridge in foreground



Erosion on west
side of Bahnasack
Township into
Greenfield township
Road going west
between 30-31 of
Bahnasack looking
SW into sect 36 of
Greenfield

Box 506 3P 58251
Lacimoro Nodak.

Lt V.S. Brown
ESSO SLO
Henscom Air Force Base
Mass. 01731
Dear Sir,

RECEIVED
R 7 61 30

I am a concerned land owner of 480 acres of good farm land in the Goose River Study Area in Logan Center Township Grand Forks County. We could be in the receiver area apparently. I voluntarily protest this invasion and would not release my land or sell for it.

Since we are in this fly-way you can imagine what a 6-5 ft high wire screen would do to the birds. The antennas & screen both present difficulties

if not hazards to the farmer.

We already have a missile installation within a mile of us and the YF A-10 is about 30 miles away. It seems to me that we have borne our share of the nuclear hazard without any more. I am undoubtedly opposed.

Sincerely yours

Jimmy B Peterson
C. New Peter W. Peterson
Spartan damage to our roads, too. J B P

Sept 23 - 86
 45 Lin from
 Dear Sir:

RECEIVED
 10/1/86

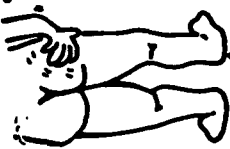
saw in the Fargo Farm
 you are having a hard time
 finding a place to site your
 trash incinerator.

I have 4 lots in
 Portland N. D. lots 9-10-11-12
 Block 39 in the south east
 of town across from the beach
 I don't know how big from me.
 I interested in white or
 red. I thank you.

Lenore A. Keane
 59 East Lynmar Dr.
 Fargo, N. D. 58102

701-232-0324
 after 3:00 P.M.

SCRATCH
 PAD



RECEIVED
 10/1/86

Ken Beckman
 Rt 2 Box 30
 Mayville ND
 58257
 Dear Sir

Thank I did letter day a line
 and let you know what the good
 people of Blended think. I have
 a mayville meeting address has
 live 1/2 mile north of Blended, as
 did my father and his father. my
 land is on the Blended site



Christian Manufacturing & Sales Co., Inc.
 Box 219 • Green, ND 58036
 701-484-5341

SCRATCH
PAD

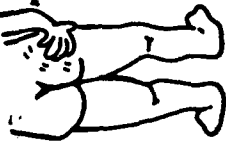


I moved the Blomberg
grain elevator, so I deal with a
lot of the people involved with
the site. There are a lot of
us that are not against the
Blomberg site. If it is the
bad site, but instead of the
U.S.A. by all means put it
here.



Christian Manufacturing & Sales Co., Inc.
Box 229 • Gresham, MO 64038
701-484-1341

SCRATCH
PAD



There were three pictures
in the town of Blomberg signed
the site, but not one was
signed. I am aware of the one
you received, but they were mostly
out of the Blomberg site.

I trust you will make the
right decision based on facts,
not pressure, as you may find

Ken Budman

Christian Manufacturing & Sales Co., Inc.
Box 229 • Gresham, MO 64038
701-484-1341



REC-11
19008

October 6, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom Air Force Base, MA 01731-5000

ATTENTION: Lt. V.G. Brown

Dear Lt. V.G. Brown:

We, as concerned citizens opposed to the Central Horizon Backscatter Radar System site in the Blanchard survey area, are requesting a public hearing at the Hillsboro National Guard Armory immediately. There are many concerns and questions about this project that must be addressed.

We were happy to hear that the comment period had been extended to October 31. This extension is insignificant, however, if a hearing is not held to answer our questions and concerns.

Finally, we want to re-emphasize that this receiver site should be placed on marginal, nonproductive land and not on prime family farmland in the Blanchard survey site.

Sincerely,

Joseph J. Miller

4-84

Copies of the preceding letter were also submitted by the following people:

Daniel Milles, Blanchard, MD
Dennis Milles, Hillsboro, MD
William P. Motter, Hunter, MD
Patricia J. Motter, Hunter, MD
Duane & Eron Nelson, Hillsboro, MD
Connie Tate, Hunter, MD
Mr. & Mrs. Gene Porter, Grandin, MD
Roger F. Carpenter, Hunter, MD
Dale & Erma Peterson, Hunter, MD
Dennis & Geraldine Peterson, Grandin, MD
Joel C. Porter, Grandin, MD
Ed & Mae Tate, Grandin, MD
Robin & Loren Radebaugh, Grandin, MD
Larry E. Thompson, Hillsboro, MD
Lillian John, Hillsboro, MD
Larry Nelson, Hunter, MD
Doug Tate, Grandin, MD
Fred John, Orange, CA
Gary & Glenda Smith, Cummings, MD

Trail County Water Resource District

BOX 10 HILLSBORO NORTH DAKOTA 58045



District Board of Commissioners
Robert Woods Hillsboro ND
Rodney Cooper Buxton ND
David Hotter Mallon ND
Girman A Strand Portland ND
Raymond Kaling Blanchard ND

Joan Swaleson, Clerk - Secretary
436-5812

September 30, 1986

G5

Lt. V. G. Brown
ESD/ SCD
Hanscom AFB, Ma 01731

RE: Draft Environmental Impact Statement. Proposed Central Radar
System Over-The-Horizon Backscatter Radar Program August 1986

While each of us has private concerns regarding the siting of the Backscatter Radar System our concern as a Water Resource Board is addressed to water management.

There are 2 proposed sites in Traill County North Dakota. We will address them separately.

Blanchard Study Area:

Your document discussed water management of wetlands. These are of no special concern in this area. Very few exist, if in fact any, except the ancient lake bed itself ever have existed.

The Elm River traverses this Study Area. It is a very important drainage system for parts of Traill, Cass and Steele Counties. The Elm River Watershed Project was built to manage flooding on this system about 25 years ago. This project consisting of 3 dams for flood retention and several floodways have very effectively controlled flooding on this river system.

One of the very important floodways is in this Study Area. (See attached map). Several more are needed. To date costs have prohibited more than local activities in the borrow pits of the numerous Township and County highways.

This points up our greatest concern. Immediately west of this Study Area the topography rapidly changes. There are several beaches from ancient Lake Agassiz. Run off water comes down these higher elevations very rapidly. It then flows out across the flat lands of this Study Area. Often this flood causes damage to crops, farm buildings, stored grains, roads, bridges and other such property in it's wake.

6 October 1986

HQ Electronic Systems Division / SCD

OTM-B

Hanscom AFB

MASSACHUSETTS 01731-5000

DEAR LT. V.G. BROWN:

G1

A STRONG DEFENSE IS NEEDED.

If sites for OTM-B have been or are wisely selected perhaps there is or will be no uproar.

For years our lands have been devastated by some POWER directing the farmers, the government, to do all the wrong things in farming: from using chemicals, leveling the land, destroying wild life, poisoning the food produced, dredging out trees, farmsteads, small farms, using electronics (criminally), ruining roads, eroding fields, plowing out field borders, ditches, ruining natural drains or drainage areas, destroying the beauty of the prairie.

It is time to start rebuilding America, or continue to do so.

PROTECTION, CONSERVATION, PRESERVATION, STEWARDSHIP of our beloved HERITAGE.

Why is the Law not enforced which would enhance the ENVIRONMENT and reduce POLLUTION. Public Law 91-190.

Sincerely yours,

Winnifred Jane Kopanger
Winnifred Jane Kopanger
Millsboro, North Dakota
58045-0041

Sent to:
President Reagan
Senator Quentin N. Burdick
Senator Mark Andrews
Representative Byron L. Dorgan
✓ OTM-B

It is our concern that if these small floodways, graded road borrow pits, are obliterated as suggested on page 54, that not only the flood hazard for the local farmers will be increased, but also the flood hazard for the proposed Radar System would also be endangered.

The natural gradient in the western portions of the Blanchard Study Area runs from 10' to 15' per mile to the east and diminishes to less than 5' per mile in the eastern part of the Study Area. This further adds to the problem because the farther east the land lies the flatter the gradient and the greater the accumulated run-off becomes.

To try to run water either north or south is very difficult because there is no natural gradient.

Galesburg Study Area:

This Study Area is only partially within our jurisdiction. This is pot-hole country and well defined drainage internalized. One of the dams of the Elm River Watershed Project is located in section 12-144-54. While located in Steele County, Operation and Maintenance of this structure is our responsibility.

Most of the land in Traill County is very sandy and is an important aquifer re-charging area.

Our concern as a Water Resource Board is that no diversions of large amounts of water be made into the aforementioned dam or any of the channels of the Elm River without consideration of their capacity to receive the increased flows.

Sincerely,

David G. Holter

David G. Holter, Chairman
Traill County Water Resource Board

cc: Governor G. Sinner
N.D. State Water Commission

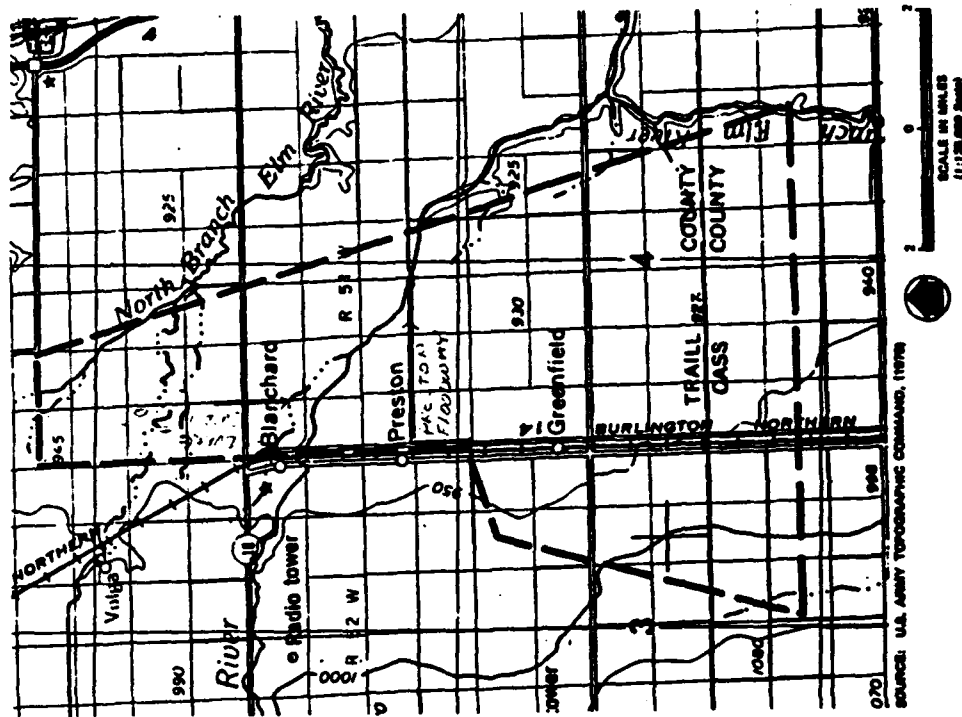


FIGURE 2-10 BLANCHARD STUDY AREA

RECEIVED
000000

September 25, 1986

MD Electronic Systems Division
OTH-B Systems Program Office
Hanacom AFB NH 01791

Attn: Lt. V.G. Brown

G3, G6, G8

Thank you for taking the time and effort to explain your environmental impact analysis for the Over The Horizon Backscatter Radar Program. It is reassuring to know that the government is concerned about the defense of the United States; however, I am opposed to the location of the transmit antenna sites. The following paragraphs explain my opposition.

My first concern is the removal of productive farmland. Having been born and raised on a farm, I know the value of agriculture to the United States. I feel it is as important to our country as national defense. Without the farmer the United States, as we know it today, would collapse and there would be no need for defense. In my opinion it makes more sense to use non-productive land for this system.

Secondly, I am concerned about our community becoming a first strike area in the event of any military aggression against the United States. I was dissatisfied and disagree with your representative's answer during the public hearing held at the Wheaton High School. Just as the United States took out the radar station in Libya first, it makes sense an aggressor would do the same to the United States. This could be done through sabotage or terrorism, which is undetectable by any radar system. Once the system is down it becomes vulnerable to complete elimination. An aggressor also has added incentive to strike this area first, which would result in the destruction of a major food source. In other words, killing two birds with one stone.

On the local level several concerns arise. Although your report states there is no reliable evidence existing that the exposure to radiofrequency radiation from the radar system would be harmful to humans, there is also no concrete evidence that it will not. As a matter of fact, there are cases in which mammals suffered irreversible adverse effects. The risk is there and cannot be ignored. In addition to the health of the local populations, you will be uprooting families which have farmed these lands for generations. My family is directly affected by your consideration of the North Wheaton location. I don't want myself or my brothers and sisters to be robbed of the opportunity to continue our family farm. Also, the local community will be adversely affected through the loss of tax revenue and production goods and services purchased by the uprooted farmers.

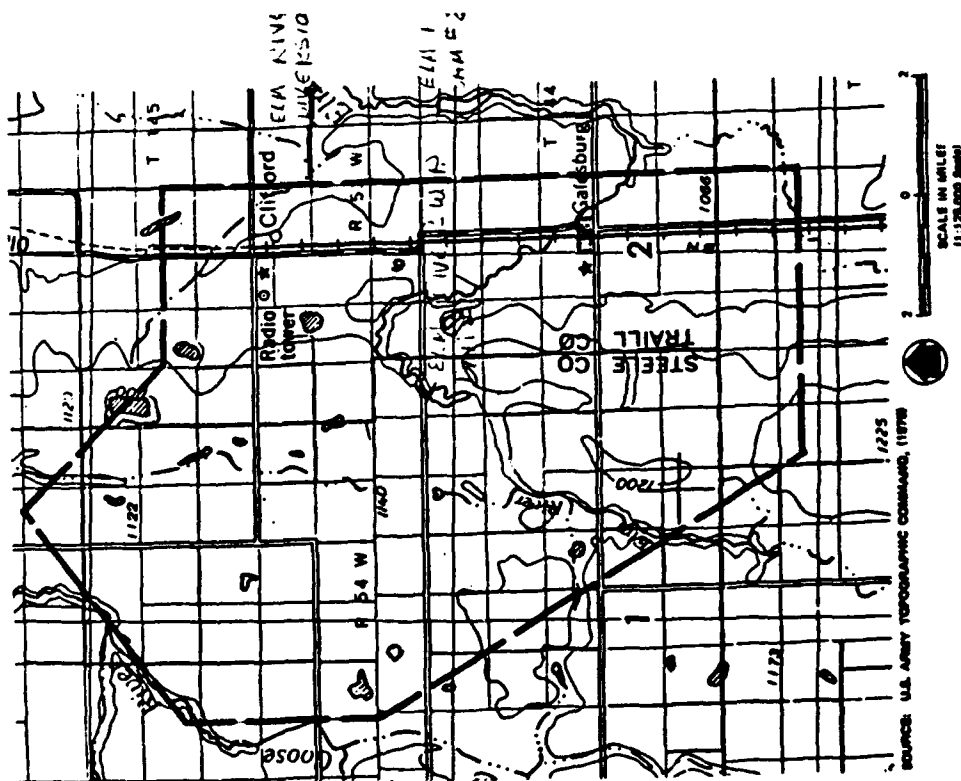


FIGURE 2-8 GALEBURG STUDY AREA

2-19

In conclusion, by constructing the OTH-B Radar Transmitter at any of the site locations being considered we will lose productive farmland, become a first strike target, risk human health, and disrupt family farms and local business. I am opposed to the locations being considered and feel the alternatives should be explored.

Sincerely, *Richard D. Keller*

Richard D Keller
3301 17th Ave SW
Fargo ND 58103

CC: MINNESOTA - U.S. Senators
Dave Durenberger
Rudy Boschwitz

U.S. Representatives
Tim Penny
Vin Weber
Bill Frenzel
Bruce Vento
Martin Sabo
Gerry Sikorski
Arlan Stangeland
James Oberstar

Governor
Rudy Perpich

*Please send me a copy
of the final draft*

October 6, 1986

revd
G1, G3, G5, G6 10-4-86

To Whom It May Concern:

I am very opposed to this project (Central OTH-B Radar System) being carried out in Traill County, especially Blanchard Township, North Dakota. As a landowner, I was billed for \$2012.74 in taxes in the year 1985 for the south half of Section 28-145-52. This taxation was for 320 acres of unimproved land. We cannot assume any greater taxes because of land being taken out of the tax status for a project of this sort.

This will also cause a further devaluation of our land, and our land at the present time has devaluated BELOW THE ROCK BOTTOM LEVEL:

The township and county will not need LESS TAXES but MORE TAXES for upkeep and building of more roadways, because as I understand this, it is going to be very sizable and involve approximately 2400 acres which is almost 4 square miles, or 4 sections. It will require cutting off some roads and building some new ones which, in turn, will involve the county and township.

Then comes the drainage problem! It seems as though the AIR FORCE cannot be relied on for compensation for any flood damage. There is also a site that seems to have been abandoned at Nikoma, North Dakota. The buildings and all that is necessary are there - why not use that? Because it is on marginal farm land. Don't take rich, productive land and ruin it for all time to come. I am told the site at Nikoma, North Dakota is used for a dump site - clean it up and use it for the present project.

It is my conviction that the above-mentioned project would far surpass the proposed project and also be a tremendous savings to the taxpayers, of which I am counted in.

It is also my suggestion that the meetings be held in Hillsboro, North Dakota, NOT in Grand Forks or Fargo. Although I will be unable to attend, the meetings should be held near the proposed site of the project to allow the most interested and affected parties easier attendance.

Sincerely,

Keith Brown

Keith Brown

Revised
12 Oct 86

G1, G3, G4, G5, G6, G7, G8, G9

Siv:

on consideration of the people living in the Glenched study area we would like an extension on the time period from Oct 6, 1986 to Dec 1, 1986, to give us more time, as the most of us are trying to harvest yet.

The people here can't understand why you are proposing to take the prime land and use it for the signal reception station. This land is prime family farmland here in the Red River Valley. The government has acres of marginal land that it can already use and has not any families on it.

According to your study book there isn't enough study or evidence proven that this will not affect people here with health problems later on.

The heavy equipment they will bring in and use here will ruin our roads and we won't get any revenue to keep them repaired.

The township will not get any tax money if the land is sold and it will raise our taxes in the township 18 percent.

In this study area, Bohnsen Township has a lot of land involved. The pictures I have enclosed will show the flooding problems we have had in the past and in my opinion, this project will add to our problems with drainage in the area.

In my opinion, the receiving station will devalue the surrounding area land prices. The fences will create problems with the drifting snow for our roads. If the fences are too close the roads could become blocked with snow.

After you decommission the site, our biggest concern is that this will be turned into a nuclear waste dump.

Contrary to the study book, this is a flyway for the ducks and geese in the spring and fall.

Our local communications could all be interfered with so we could not use any of these close to your site.

First Interstate Bank
of Fargo, N.A.
Trust Division
Main at Broadway
Fargo, ND 58124-0001
701 293-2222



October 8, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

First Interstate Bank of Fargo, N.A., as Trustee, owns several parcels of land in the Galesburg and Blanchard proposed radar sites. Marginal land within the desired radius of the Grand Forks Air Force Base should be considered prior to any prime Red River Valley farmland.

We would appreciate receiving any information that is available regarding the radar project and proposed sites.

Sincerely yours,

Scott Thompson

Scott Thompson
Trust Farm Manager

ST:ss

*We have heard already
that in the site you have
operating, the reception isn't
any good.
In light of all these
reasons, as a landowner,
I am very opposed to this
project in the Blanchard
Study area!*

*Sincerely
John Tate*

1 OCT 16 1986

G3
Gallatung, N.D.
Oct. 10, 1986

Dear Mr. Brown,
As a land owner
& resident in the
Area considered for
the proposed Indian
Site Indian the Grand
Fork Air Base, I
would certainly urge
that you reconsider
your plans to place
the Indian site in
an area with many
farmers & their families
age making their
living from the
land. There are
areas less populated
and as here the
land is not as
futile as it is in Area

Thank you very
much.

Mr. Jennelle Mann
Box 1117
Gallatung, N.D.
58035

October 7, 1986

Dale A. Thompson
605 S.W. 2nd St.
Rugby, ND 58368

Honorable George Sinner
Governor's Office
State Capitol Bldg.
Bismarck, ND 58505

RE: Over-The-Horizon Backscatter Radar Program

Dear Governor Sinner:

In January of 1900 my Great-Grandfather moved his family onto a farmstead located on the West Half of Section (7) 145-53 in Traill County, North Dakota. He raised his family on that farm as did my Grandfather and my father. My parents are now in their mid-50's and still farm and live on the original farmstead. It is nothing fancy, but it has been in the family for 86 years now.

At the present, my parents farm 7 quarters, of which 3 are rented. All but one of their five children are now grown. It has been their hope that in a few years they can afford to farm just the four quarters that they own. As things are, they are able to make a decent living, but due to the farm economy none of their children have gotten involved in the farm, although we do what we can to supply labor when the folks need it. It seemed unfair to ask them to risk the farm in order to set up their children in farming but if things get better there could be a fourth generation on the farm.

While there has apparently been no decision made regarding the location of the proposed Over-The-Horizon Backscatter Radar Program site, there are many rumors around. The one that concerns my parents the most is that if the Galesburg site is selected, not only will my parents have an installation on their land, but that their home will be destroyed to make room for the installation.

My parent's farm is small and the loss of any land would be very detrimental to their farming operation - especially if compensation is to be made at the current reduced farmland market values. Having done their best to survive the farm economy crisis, then lose their home to the military would defeat any sense of accomplishment that they have in their survival effort.

The folks in the Blanchard area have caused a great deal of fuss over the site being placed there. That fuss has apparently caught your attention.

In an article in the Grand Forks Herald on October 3, 1986, you appeared to be very uninformed about the situation and your only concern appeared to be the loss of "valuable" farm land - with little if any, concern for the people. Your lack of concern for the citizens of North Dakota

was apparent when you:

"Asked whether the site, if it is located in North Dakota, could be located several miles west of the proposed site, away from prime farmland."

My question is, do you realize what you were saying?

While my parents, and others in the Galesburg site area, land may not be as valuable it is certainly not waste land. The loss of land for the Galesburg people is just as big of a loss as it is for the Blanchard people

Further, I have reviewed the Draft Environmental Impact Statement proposed by the Air Force and moving the site to the west not only takes up farm land, but also destroys wildlife areas and wet lands that can never be replaced once the project has been dismantled.

I realize that as Governor, you are concerned that action be taken to improve the economy of this State. This is a valid concern, especially during these difficult times, but this is a farm state and do we really want to destroy farms, and displace life long residents for a project which will give a quick profit to outsiders, then in 20 years be gone. In the long run don't we want to preserve the farm character of this State, which is why most of us are here anyway?

Those who favor the project do not live within the project site area. They are not going to lose their land or their homes. They are simply looking for the quick buck at the expense of someone else.

It was hoped that efforts would be made to keep the project out of North Dakota. In addition to the selfish reasons of those who want to be allowed to continue to farm the land and live in the homes that they have worked for generations to keep, there is also the matter of lost tax base, wetlands and the character of the community.

Instead, you have suggested that those in the western sites be sacrificed for the benefit of those in the eastern site. Thief River Falls appears to welcome the project and if placed there, the Grand Forks crew still stands to receive economic benefit. A benefit without any cost - perhaps that could be considered.

Sincerely yours,


Dale A. Thompson

CC: Mark Andrews
Kent Conrad
Byron Dorgan
Quentin Burdick
Lt. V.C. Brown
HQ Electronic Systems Division

NORTH DAKOTA

Forward
to Union

Box 2136 - Jamestown, North Dakota 58402-2136
Phone: 232-2940

October 7, 1986

HQ Electronic Systems Division/SCD
ORTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Sir:

The North Dakota Farmers Union is a general farm organization representing nearly 32,000 farm families in the state. We have county and local organizations in each of the state's 53 counties, including those counties which are being considered as possible sites for the Central ORTH-B Radar System in North Dakota.

In recent times North Dakota farmers have been substantially impacted by various energy, water resource, and military developments, including the AEM system near Langdon. Out of these experiences, our members have established policies which we believe should guide such developments.

To protect agriculture's economic interest and to assure a maximum amount of fertile land for future production of food and fiber, we believe that such developments must avoid the use of prime farm land to the greatest extent possible. *Prime farm land should have a higher priority as an avoidance area than wildlife acreages.*

We believe that a primary consideration in the potential location of the Central ORTH-B Radar System must be the avoidance of the use of prime farm land. We therefore recommend that the alternate locations which would utilize marginal non-productive lands to the greatest extent be given the highest priority as a site for such development.

In addition, the North Dakota Farmers Union is deeply concerned over the economic, social, and environmental impacts of these developments.

In all public and private projects in which eminent domain proceedings may eventually be used, individual notification and public hearings must be held before the project is allowed to be implemented.

We would therefore encourage and recommend additional hearings in the areas to be affected and an extended period in which residents of those areas can more fully respond and participate through the public hearing process.

Through the additional hearings and extended response period, we believe that residents in the areas of these potential sites will be able to more fully understand the processes by which this project will comply with the National Environmental Policy Act, the Uniform Land Acquisition Act, and the Federal Relocation Act.

October 7, 1986

-2-

HQ Electronic Systems Division/SCD

Such developments must provide assurances that the rights of landowners, tenants, and farm operators are fully protected.

The agricultural, economic, social and environmental impacts associated with such developments must be considered as a cost of the project, and appropriate impact funds need to be established so that residents and their governmental units do not have to bear the burden of such development.

We believe that the site location selection must be based on which site would have the least adverse impact upon prime farm land, and upon the residents and communities which would be affected.

We would appreciate a copy of the draft EIS and also a copy of the final EIS.

Yours truly,

NORTH DAKOTA FARMERS UNION

Stanley M. Moore
Stanley M. Moore
President

SMH:jct

cc Senator Quentin N. Burdick
Senator Mark Andrews
Representative Byron Dorgan
Governor George Sinner

HILLSBORO PUBLIC SCHOOLS

HILLSBORO, NORTH DAKOTA 58045



Board of Education
Lee Kildner, President
David Heyer, Vice President
Peggy Ehlers, Director
Richard Gebick, Director
E.N. "Cactus" Warner, Director
Ruth Rust, Clerk

Arthur Morlock, Superintendent
Rick Alfson, High School Principal
Bill Schumacher, Elementary Principal

RECEIVED
OCT 15 1986

October 15, 1986

G1, G6

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom Air Force Base, MA 01731-5000

ATTENTION: Lt. V. G. Brown

Dear Lt. V. G. Brown:

At the regular meeting of the Hillsboro School Board on October 9, 1986, they passed a resolution requesting a public hearing to be held in Hillsboro regarding the Central Horizon Backscatter Radar System site being considered in the Blanchard survey area.

This project could have considerable impact on the tax base of this district and for that reason a hearing should be held in this area to address the questions and concerns of our patrons.

Sincerely,

Ruth Rust
Ruth Rust
Clerk

G3

I am writing to you concerning the proposed UTH-B radar system that may be located in the Blanchard, N.D. area. My sister and myself are land owners in Bloomfield Township which is in Traill county that I understand would be affected by this site.

This land has been in our family since the turn of the century and we would like to be able to pass this on to our children. After the death of my father, my mother has been receiving the revenues from the land to support herself in addition to her social security. We would like to see this continue as she is elderly and may have to move into the nursing home in Hillsboro, in the near future.

It seems that it would make a lot more sense to use federal or state land, or marginal land rather than the excellent farm land that is located in the area.

I would ask your support to try to have this located at a different site than the one at Blanchard, N.D.
Thank you for your time and consideration.

Sincerely,

Joel Barker
Joel Barker
8075 Edgewood Dr.
Mounds View, Mn. 55432

RECEIVED
121005862

G4

Oct 9, 86
Clifford N.D.

Lt. V. H. Brown

I am writing in regard
to the radar site -

I object that you can
put my homelands and
rented place up for a site
and not have to notify the
the owners by the law.

This is a ³ General's home
we want to keep it -

The price you quote
is N.A.S. you will ruin
any farmer who is so untidy
go to get the site - This is better
life -

We pay large then to school
separate they don't know
We live right to large well

late area -
Thousands of deer which we

watched all winter go from east
to west in early and -
moose & E. Elk Moose come
up to our house -

In the fall Geese feed
the selection of land

If any farmer has to move
you can build them a new
farm site -

The government will spend
any amount to put them
up then farmer deserves
more than land at current price
also something for upholding
their life -

Stay part of road we
don't want you

Stay out of the building site
why all this for just 20 years
the most in better way

Edmund Thompson
Clifford 58016

PR 88-2760 W. Act



Dakota Public School District No. 3

Minneapolis, ND 58048
HAL HABERMAN, SUPERINTENDENT
874-2345

Dakota Elementary
Minneapolis, ND 58048
Dakota Computer, Principal
874-3323

Dakota High School
Arlington, ND 58045
Donald P. Hill, Principal
874-2344

Warrens

October 14, 1986

G1, G6, G7, G9

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

It is with our utmost concern that we write you expressing our thoughts and possible opposition to the proposed Central Radar System/Blanchard Survey Site.

First of all, we have not had adequate time to study the proposal and the impact this system would have on our School District. Because of this fact and the fact that there are so many unanswered questions in this regard, it would, in our opinion, be advisable to further extend the comment period from October 26, 1986, to at least December 1, 1986.

We find that there are approximately 38 sections of the Survey Site in our School District. The selection of 2400 acres from this site will have a significant impact on our property tax base resulting in a loss of revenue in a very financially difficult time for a school district of our size. The loss of displaced families will, as well, result in a loss of state financial aid of \$1,370 to \$1,918 for just one student. In addition, the placement of the Central Radar System on this site may greatly affect our bus routes, bus communications system, etc.

The need for this protective radar system is not being questioned; we may desperately need this type of installation. However, the possibility that it could be placed on property where it would have the least impact needs to be explored further. In this regard, we feel it is extremely important that additional public hearings be conducted in the Blanchard Survey Site, preferably in the Hunter area; therefore, we extend an invitation for you to use our school facility for this purpose.

PRESIDENT OF BOARD
Kenneth Brown
Minneapolis, ND 58048

CLERK OF BOARD
Mrs. Mary Harrell
Minneapolis, ND 58048

BOARD MEMBERS
O.L. Anselmi
Gregory Badtke
Charles Egan, Jr.
John Foster
Patty Williams

Lt. V.G. Brown
October 14, 1986
Page two

We are hopeful for more deliberation and careful thought before a decision is made by the U.S. Air Force. Questions need to be answered, and we, along with the patrons we represent, need to be informed in all areas of concern. We look forward to hearing from you in regard to scheduling a public hearing at our facility in Hunter, N.D. Your immediate attention to this matter will be greatly appreciated.

Sincerely,

BOARD OF EDUCATION

Kenneth Brown

KENNETH BROWN, 2,
Chairperson

KE/mm

cc: Senator Mark Andrews
Senator Quentin Burdick
Representative Byron Dorgan
Governor George Sinner

G1, G3, G4, G5, G6, G7, G8, G9

At. V.B. Brown and Col. Lee
 N.D. Electronic Systems Division ISCO
 Oth-Q Systems Program Office
 Hanscom AFB, MA 01955 5000
 New Lt. V.B. Brown & Col. Lee,

We as the elected committee representing the concerned citizens opposed to the Central Radio system receive site in the Blanchard study area, feel that we must voice the concerns and opposition that people attending the two citizens' meetings held in Hildesheim, N.H., conveyed to us.

First, the information and news released prior to the Alfred J. B. Haring were inadequate. No township names were given in any of the news releases, and a very vague description of the boundaries of the Blanchard study were detailed. When most of the people living in the area were not adequately informed. For that reason, we're requesting that the comment period which is set to close Oct. 6 be extended to Dec. 1. The extension would give those living in the area time to receive a copy of the draft environmental impact statement and also time to study the proposal.

Secondly, we feel that it is only fair that a public hearing be conducted

for the Blanchard study site area, especially in the Hildesheim National Blanchard County. All of the people affected by this project would get a chance to receive information and also respond with approved comments on the project.

Thirdly, if this project is placed in the Blanchard study site, there will be a Red River Valley farmland would be taken out of production. We have only 20 years of this good farmland, and the reclamation would require at least 2,400 acres of it, and quite possibly make it unproductive forever. There are additional reasons for our opposition to the project in Cass & Merrill counties are as follows:

1. Lower value of adjoining land and buildings
2. Drainage & water problems
3. Negative impact on county & township roads
4. Unassured health issues & concerns
5. Not impact on county, township and school districts
6. No lasting benefit to our local economy
7. Even after the 20 year use, the site could become a region or nuclear waste storage site if needed.
8. Lack of reliable communication such as 4011 radio, television, land and citizen band radio in the immediate area.

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

[illegible]

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

11	11
"	"
"	"
"	"
"	"
"	"

ADDRESS

Arthur N.D. 58006
Arthur N.D. 58001
Arthur N.D.
Arthur N.D.
Eric N.D.
Arthur, N.D.
Theater N.D. 58048
Arthur N. D. 580
Arthur N. D. 580
Arthur N.D.
Arthur N.D.
Arthur N.D.
Arthur N.D.

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

[illegible]

ADDRESS

[illegible]

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

John S. ...
 Carl H. ...
 ...
 ...
 ...

Hillsboro, N.D. 58045
 Hillsboro, N.D.
 Hillsboro, N.D.
 Hillsboro, N.D.
 Hillsboro, ND

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

William Luss
 Carl H. ...
 ...
 ...
 ...

Grandin, N.D.
 Grandin, N.D.
 Grandin, N.D.
 Grandin, N.D.
 Grandin, N.D.

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME	ADDRESS
Dick Marshall	Skinner, N. Dak.
Paul Marshall	Skinner, N. Dak.
Sam Bell	Skinner Co. Cal.
John R. Anderson	Skinner M.D.
Robert Jasin	Skinner
William Sadway	Skinner N.D.
William Kuehn	Skinner N.D.
William Stiddle	Skinner M.D.

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

ADDRESS
Hillborn N. Oak

Private Mark

Cecilia V O

Butler, N.D.

Quantum, KAHunter, R. D.

Charters, N.D.

GA 1-17

Yr. 1. No. 100.

Michigan

[illegible]

5210172

11/11/20

NAME David Lilla

James O. Martin

Sally Smith

L. M. M. M.

Handwritten Headlines

Rubrica Martini

William Lister

Philip Hudson

Long Winter quest

Thomas G. Barker

Henry C. Smithman

James Schuster

Bayer Station

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

Don Miller

RR 2 Box 7 Blanchard, ND
Box 74 Saledonia, N.D.

Diane A. Johnson

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

Charles Ludwig

Millard, ND 58245

Ed. R. Thompson

Hebster ND 58245

Tracy L. Johnson

Hebster ND 58245

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME
William J. Dugdale
James Blangen
Vernon Baldwin
E. B. Baldwin
Ray S. Fenn
Marjorie Spivey

ADDRESS
Cummins, ND
Mayville, N.D.
Healy, N.D.
Mayville, ND
Mayville, ND

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME
David Hoyle
Ray Hoyle
Anna Brown
Lila Lange
Paul F. Holden
Robert Hansen

ADDRESS
Mayville, ND
Mayville, ND
Blanchard, ND
Healy, ND
Mayville, ND
Fort and, ND

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

Linda Wilkes
Mayhew
Thomson
W. J. J. J.
Joseph J. J.
Blanchard

620-1000 St. W. Fargo ND
Cassidy, N. Dak.
Cassidy, N. Dak.
Cassidy, N. Dak.
Cassidy, N. Dak.

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

John J. J.
Charles J. J.
W. J. J.
Box 535
RR1
124 2nd St.

1021 2nd St. - N Fargo ND
13 3rd St. S.W. Hillsboro ND
Hillsboro ND
Hillsboro ND
Hillsboro ND
Hillsboro ND

10/

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME	ADDRESS
James L. Long	RR 1 Box 15 Clifford ND 58016
Long, James	RR 1 Box 7 Clifford ND 58016
Clare J. Caswell	RR 2 Box 12 Blanchard ND 58007
William Thompson	Clifford ND
Lee D. Thompson	Clifford ND
John Kennedy	Clifford ND
Helen M. Minge	Clifford ND 58016
James L. Minge	Clifford ND 58016
Mary L. Minge	Clifford ND 58016
Mark L. Minge	Clifford ND 58016
Wendy L. Minge	Clifford ND 58016
William E. Thompson	Clifford ND 58016

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME	ADDRESS
Licki Raw	Hillsboro ND
Lucy Martin	Mayville ND
Julie Barrett	Mayville ND
Bellevue Martin	" " ND
David Manger	Hillsboro ND
Thomas Red	Hillsboro ND
Harold D. Hansen	Hillsboro ND (Barnard Trp)
Donald G. Hansen	Hillsboro ND
James Hansen	Hillsboro ND
Robbie G. G. G.	Hillsboro ND
Paul J. G. G.	Hillsboro ND
William E. G. G.	Hillsboro ND

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

Hunter, N.D.
Azm., N.D.
Archer, N.D.
Arthur, N.D.
Arthur, N.D.
Arthur, N.D.
Sheldon, N.D.
Fargo, N.D.
Wagoner, N.D.
Fargo, N.D.
Fargo, N.D.
Fargo, N.D.
Fargo, N.D.
Fargo, N.D.
Fargo, N.D.
Fargo, N.D.

10

ADDRESS

Joseph Miller
Emma Peterson
Ernest Olson
Bernards Island
Lillian Hawth
Alice Wenzel
F. Bremer Schumacher
Karl Schumacher
Kurt Schumacher
Helma Hault
Epita Sandstead
Virginia Moore
Celia Mide
Margaret Melander
Lillian Folk
Maqua Moon
Paula Moom
Milly Liden
Phyllis Exactor
Edith Liden

22

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME	ADDRESS
O'Neill, Emma	Hillboro, N.D.
Fred M. Benson	Hillboro, N.D.
Bernard L. Galt	Hillboro, ND
Winnifred Joyce Thompson	Hillboro, ND
William J. Hanson	Hillboro, ND
Garnett Anderson	Hillboro, ND
Edward A. Christensen	Hillboro, ND
John Hansen	Hillboro, ND
Harold E. Thompson	Hillboro, ND
James W. Foster	Hillboro, ND
Alfred Overmyer	Hillboro, ND
Ruby Reingold	Hillboro, N.D.
Harry Rushon	Hillboro, N.D.
Mary Dean Johnson	Dighton, N.D.
Lorraine Reingold	Hillboro, N.D.
Evelyn Wright	Hillboro, N.D.
Nancy Wetters	Hillboro, ND
Frederick H. Fisher	Hillboro, ND
Henry H. Bergin	Hillboro, ND
Frank Newman	Hillboro

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

36 Hillboro, N.D.
 Hillboro, N.D.
 Box 24, Hillboro, ND
 Box 55 Hillboro, ND.
 RR 2 Box 88 Hillboro N.D.
 RR 1 Box C-20 Hillboro, N.D.
 RR 2 Box C-16 Hillboro ND 58045
 Box 170 Hillboro ND 58045
 Cummings N.D.
 Box 170 Hillboro, N.D. 58045
 601 1st Ave. NE Hillboro
 217 354 SE Hillboro
 3325 Sidney Ave. Hillboro, N.D.
 RR 2 Box C-74 Hillboro, ND 58045
 R 2 Box C-37 Hillboro ND 58045
 Hillboro, N.D. 58045
 Hillboro, N.D.
 Garden N.D.
 Box 274 Fargo N.D.
 Box 152 Grandin, ND 58038

NOTICE

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS[illegible]

ADDRESS

NAME	ADDRESS
Laverne Rogers	Williston, ND
Myrna M. Leach	Williston, ND
Donna Stinson	Williston, ND
Sue A. Lee	Williston, ND
Brenda Olson	Williston, ND
Jean Leachman	Williston, ND
Donna Olschick	Williston, ND
Marlene Lund	Williston, ND
Lyn Stinson	Williston, ND
Lawrence Barthold	Williston, ND
Quinn Johnson	Williston, ND
Therese Saxton	Williston, ND
Roger Heilbrun	Williston, ND
Marlin McLean	Williston, ND
Wendell Anderson	Williston, ND
John De Lee	Williston, ND
David Olson	Williston, ND
Robert Lund	Williston, ND
Eric Erickson	Williston, ND
Phyllis Nelson	Williston, ND

NOTITD

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

NAME

Willabrook, N.D.

Dexter N. S. 114
 114 N. S. 114
 Dexter N. S. 114
 Dexter N. S. 114

ADDRESS

Constance ND

2

103424 978. 420

303. 310 11. 8.

Thickskinned, p. 11

11/11/20

Falkenberg - M.D.

—

32-070:77

60019

Stilleborn: 11 Stille-

Th. albobrunnea, 11. c. Pader.

Hunter, NO

506 47th Ave New River, Idaho 810

0.775

Bell Turner

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME	ADDRESS
Ron Dahl	332-33736 Hillsboro N.D.
Randall Lasse	PO Box Cummings N.D.
Ronald Porter	Grandin N.D. R.R. 163
Mark Porter	Grandin N.D. 58038
Gayma Ecker	Grandin N.D. 58038
Shel Pitz	Hunter N.D.
Keith Porter	Hunter N.D. 58048

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME	ADDRESS
Morgan Melander	Hunter, N.D.
Steve Miller	Grandin, ND
Carol Miller	Hunter, N.D.
John Miller	Hunter, ND

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

Ernest Peterson
Delores Peterson
Arthur Peterson
A. A. Lee
Cliff Olson
Marlene Peterson
Carl Porter
Edward Harrison

Hunter N. D.
Hunter N.D.
Hunter N.D.
Hunter N.D.
Hunter N.D.
Hunter N.D.
Hunter N.D.
Hunter N.D.

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

NAME

ADDRESS

Julie Zylber
Susan Field
Dippin Johnson
Dorva Nguyen
Chris Garrett
Ann Leimke
Bernice Skirvad

Hillsboro
Hillsboro
Hillsboro
Hillsboro
Cummings
Blanchard
Hillsboro
Cummings

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

Hillborn, N.D.
Hillborn, N.D.
Hillborn, N.D.
Hillborn, N.D.
Hillborn, N.D.
Hillborn, N.D.
Hillborn, N.D.

ADDRESS

Blanchard Greenfield
Blanchard Greenfield
Hillsboro B. Knack
Hunter
Hunter
Hunter
Greenfield
Hunter
Greenfield
Hunter
"
"
"
"
Hunter D. O. 38008

University D.D. 58008

PETITION

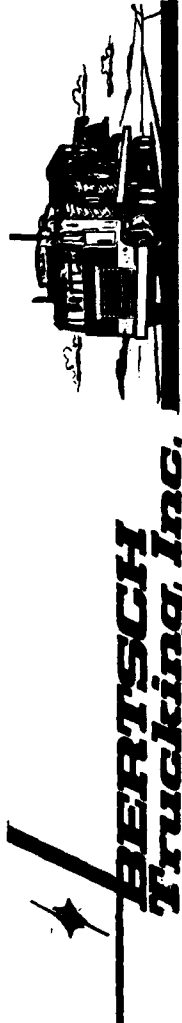
We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Environmental Impact Statement dated August, 1986.

ADDRESS

[illegible]

ADDRESS

Lawrence D. Smith
 Kathleen Melendy
 George C. Smith
 Philip E. Meyer
~~Philip E. Meyer~~
 Dennis Gallock
 Gene Thompson
 James Hodge Jr.
 David E. Hart
 Thomas Lerud



OTTO C. BERTSCH, President

HILLSBORO, NORTH DAKOTA 58045
701 - 632-4100

RECEIVED
Rd7 Oct 16

October 16, 1986

Lt. V.G. Brown
U.S. Air Force
Electronics Systems Division
Air Force Systems Command
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

Attached is a copy of our ICC authority which allows us to haul "machinery, metal products, construction and building materials, lumber and wood products, and size and weight commodities".

There is a proposal to put in a OTH-B Radar System in Blanchard, North Dakota. We are only 10 miles east of Blanchard. We are also only 35 miles south of Grand Forks, North Dakota and 35 miles north of Fargo, North Dakota.

If we can haul anything for the U.S. Air Force, please let me know.

Thank you.

Sincerely,

BERTSCH TRUCKING, INC.

Oth Bertsch

Otto Bertsch

OB/cb

Enclosure

CONTRACT CARRIER OF *Versatile* FARM IMPLEMENTS

PM-31
(Rev. 10/84)

INTERSTATE COMMERCE COMMISSION

CORRECTED PERMIT

SERVICE DATE

MC-135045 Sub 4 *

BERTSCH TRUCKING, INC.
(Hillsboro, ND)

AUG 4 1986

This Permit is evidence of the carrier's authority to engage in transportation as a contract carrier by motor vehicle.

This authority will be effective as long as the carrier maintains compliance with the requirements pertaining to insurance coverage for the protection of the public (49 CFR 1043); the designation of agents upon whom process may be served (49 CFR 1044); the execution of contracts (49 CFR 1053); and for passenger carriers, tariffs or schedules (49 CFR 1300 through 1311).

This authority is subject to any terms, conditions, and limitations as are now, or may later be, attached to this privilege.

The transportation service to be performed is described on the reverse side of this document.

By the Commission.

Norata R. McGee
Secretary

(SEAL)

While the execution of contracts must be accomplished, it is unnecessary to file them with the Commission.

NOTE: If there are discrepancies regarding this Permit, please notify the Commission within 30 days.

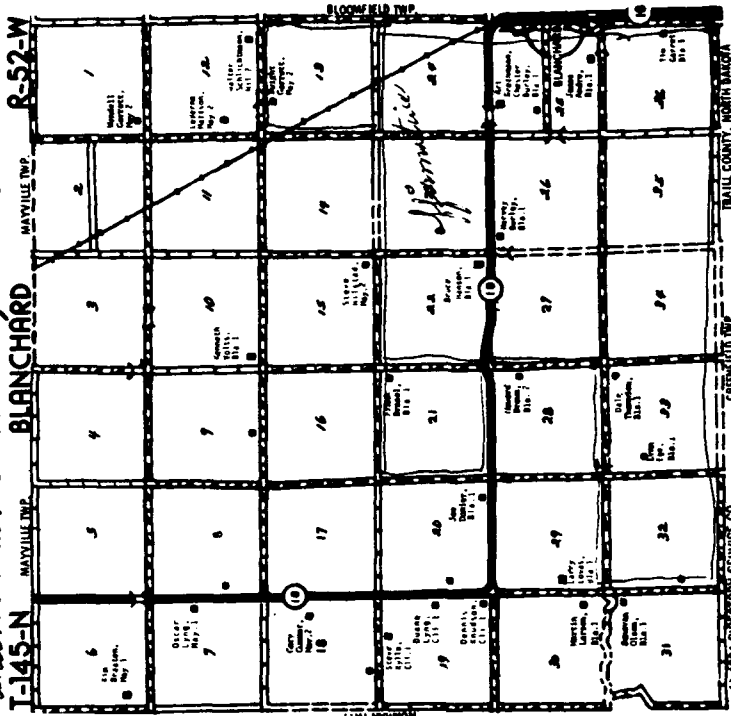
MC-135045 Sub 4 *

To operate as a contract carrier, by motor vehicle, in interstate or foreign commerce, over irregular routes, transporting machinery, metal products, construction and building materials, lumber and wood products, and size and weight commodities, between points in the United States (except Alaska and Hawaii), under continuing contract(s) with commercial shippers or receivers of such commodities.

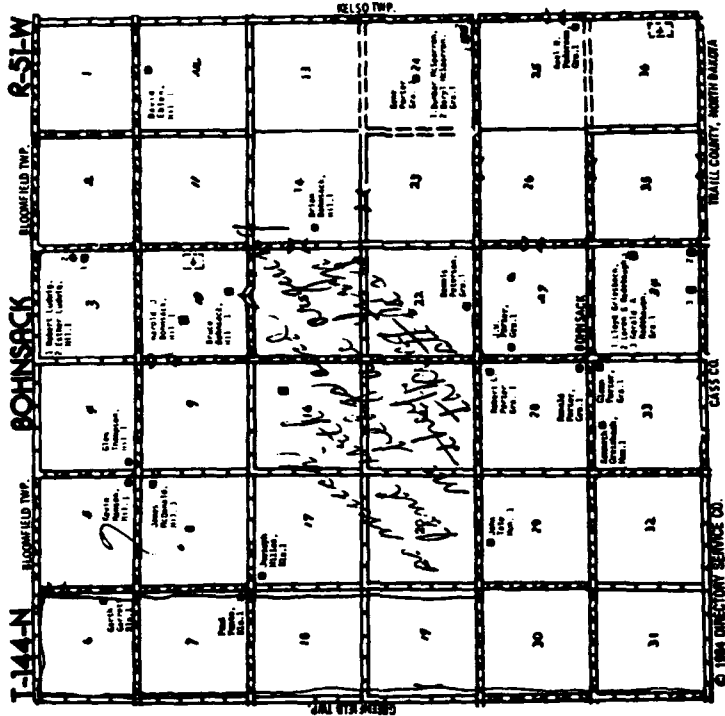
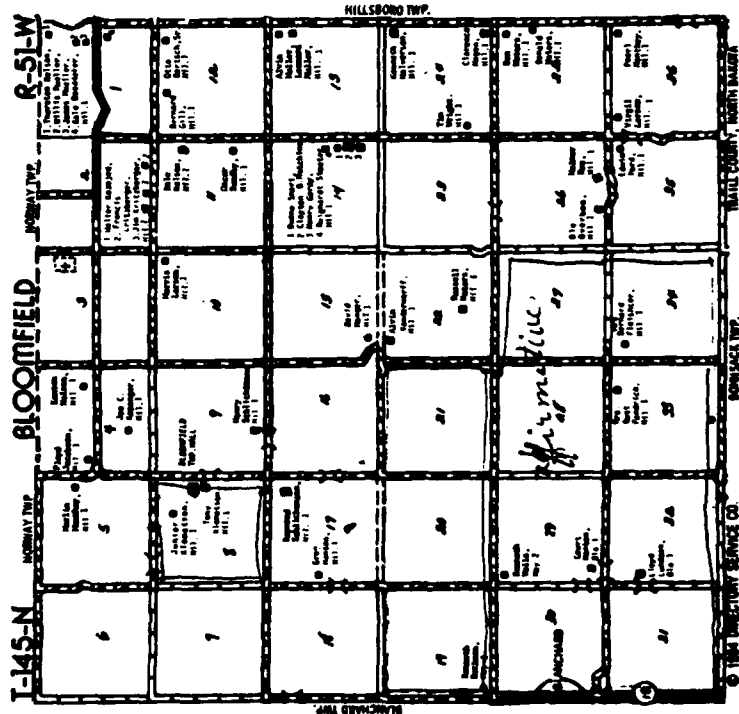
* This permit corrects and cancels Permit MC-135045 Sub 4, served July 10, 1986, and is issued to reflect correctly the authority granted to applicant herein.

RECEIVED
KROGER

16 Sir;
We invite you to Blanchard
Township system and all.
Petitions were placed in the P.O. Box, Elmore
and has and received no signature.



Many from Bloomfield and
Barnes township also
agree - it is a vital part of our
existence and necessary for the U.S.



*Sincerely,
Mrs. H. Deiting
Blanchard
N.D. 58009*

300086

October 15, 1986

Lt. V. G. Brown
United States Air Force
Electronic Systems Division
Air Force Systems Command
Hanscom AFB, MA 01731-5000

G3

TO WHOM THIS MAY CONCERN:

Please reconsider plans for the OVER THE HORIZON BACKSCATTER CENTRAL RADAR SYSTEM presently planned for eastern North Dakota. We are farmers and it is the only thing we have ever done. We are in our 40's and other occupations at this stage of the game are scarce as you must know. Our property has been homesteaded by my husband's great-grandfather and our only son who is 17 plans to farm following us. The land we live on is prime farm land. Wheat runs at 60 bushels per acre often. We have heard of other areas that would give anything to have this construction built into their communities as the land there is much less conducive to ideal farming. ,rain, please reconsider. We will not give up without a real struggle. We can't.

Sincerely,

Wayne & Virginia Satrom
Wayne and Virginia Satrom
RR 1 Box 70
Galesburg, North Dakota 58035

VS/vs



HIGH QUALITY
CERTIFIED
GRASS SEED

310086

ROGNE D SCHUMACHER SEEDFARM
RR 2, Box 231
Kindred, ND 58051

HQ Electronics System Div., SC0
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

G2, G6, G8

Oct. 29, 1986
Re: Commentary: DEIS, DTH-B, CRS

Dear Lt. Brown:

Due to the time constraints demanded by my farming operation, this commentary on the Draft Environmental Impact Statement, Over-the-Horizon Backscatter, Central Radar System will of necessity be brief. If the comment period extension request is accepted by the Secretary, I will send an addendum to this letter.

I have three major areas of comment: socio-economic effects, health effects and need of the project itself.

A: Socio-economic effects:

As in many government projects, the DEIS underestimates local socio-economic costs and overestimates project benefits. This is complicated by the fact that most of the costs would be demanded of the rural segment of the community and most of the benefits would accrue to the urban one. This rural-urban split is especially noticeable in the Thief River Falls project site.

The economic analysis in the DEIS of costs and benefits due to the reduction in farmland and introduction of government salaries and construction expenditures is very weak. Data to support a net economic benefit as claimed has not been supplied within the DEIS. Economic variables have not been well defined, and the project's economic effect over an extended period of time, such as 50 or 100 years as is commonly used in public works project analyses, has not been done. The economic multiplier effect onto the entire community of a primary productive industry, such as farming, which is involved in the production of "new wealth" forming the basis of a regional economy has not been used in the DEIS calculations. Use of simple net farm return figures is inadequate for the determination of true community losses.

The amount of labor and construction materials for the project to be drawn from the local or regional pool has not been determined in the DEIS. There is also no commitment that ongoing maintenance and security personnel would be civilian and be hired locally.

B: Health effects:

105 Direct, non-thermal effects of non-ionizing radio frequency radiation has not been adequately covered in the DEIS. The methodology of using averaged electromagnetic field power density levels rather than actual levels is defective. I also have strong reservations about the use of an attenuation factor of 1/R⁴ for determining ground wave EMF density, since the soils in this region have very high ground conductivity levels.

The calcium efflux effect discovered by W. Ross Adey has been summarily dismissed in the DEIS with the comment that it doesn't apply since the transmitted signal will not be AM modulated. Although it is true that the main modulation will be FM, a 10 to 50 Hz. sawtooth modulation of the FM will be used. This is close enough to the sinusoidal waveform used in Dr. Adey's experiments and the lower half of the sawtooth modulation is within the 8 to 35 Hz. calcium efflux "window." Adey's research has shown definite effects with very low power density levels and short durations of exposure. As of yet we have no longterm exposure studies; however, the Air Force is willing to expose large numbers of people to constant ELF modulation without admitting the possibility of detrimental health effects.

Other adverse health effects, such as depression of the immune system, behavioral changes, etc., have also been reported in the medical literature. The DEIS deals with this by pointing out that most of these studies have been done in eastern Europe and the Soviet Union, that we can not be certain of their methodology, and that effects noted, although at low power levels, have been at levels above the expected averaged groundwave levels. Again let me note that the studies done so far have been done over comparatively short time duration, and it is possible that future studies will show effects at extremely low power levels when they have been applied over a long time duration. Also the eastern Europeans have been studying modulated RFR, whereas most Americans have only been studying continuous wave RFR. It is almost unnecessary to note that modulated RFR is the most common form in use worldwide.

The DEIS does not address the cumulative effect of adding the OTH-B transmissions to existing RFR from commercial broadcasting, military and weather radar, microwave relay stations, etc. The Environmental Protection Agency, recognizing that many commercial broadcasters are exceeding presently allowable EMF power density levels and that present standards may be too high, has begun the process of re-evaluating guidelines for limiting public exposure to RFR from broadcast sources. I am sure that we will be hearing much more about this in the future.

Dr. Bjorn Nordenstrom, in his book Biologically Closed Electric Circuits, has argued that animals have an additional circulatory system, an electrical one. If his theory is correct, then there is even more to be concerned about the RFR effects of the OTH-B system. It has been less than 50 years since the earth's RFR environment was significantly increased and made more complex over what had been the case for billions of years. The longterm effects of this man-made RFR are generally unknown.

C: Project need:

110 The DEIS does not mention the General Accounting Office's 1983 evaluation questioning the need for this project. This year the GAO reaffirmed its earlier decision and has recommended that Congress not fund the Central Radar System. I have not received copies of these studies yet; however, I have my own questions about the need for the CRS.

I find it hard to understand how the Air Force will be able to make sense of the huge amount of data that would come in. If the system would pick up every flying object within a 2000 mile radius over 2400 of arc, how will the Air Force determine the nature of each of those objects? Will the CRS command headquarters have the flight plans of every private, commercial and military flight? What of unfilled flights, weather balloons, crop sprayers? I don't believe that polling IFF will be a workable alternative with this system. This system will result in a radar screen full of unidentified or unidentifiable blips, a case of "sensory overload." There would not be enough interceptors available to scramble to visually determine the nature of all unknown flying objects, or even a significant percentage of them.

111 However, a visual form of identification is presently available: satellite surveillance. If commercial remote sensing satellites already have 3 to 5 meter resolution, and military satellites have under 1 meter resolution (as I have heard), then the technology is already present to do the kind of surveillance the Air Force believes it requires and is attempting to do with its CRS. Nighttime and cloudy weather satellite remote sensing is possible using infrared bands. Satellite surveillance would also not be made as easily obsolete by Stealth technology as the OTH-B system would.

112 In addition, the Central Radar System is basically redundant. Its stated purpose is to provide coverage close to the coasts where the east and west systems have blind spots. Those areas are already covered by existing line-of-sight radar. The CRS adds very little to our potential wartime knowledge base. Perhaps it could be argued that the east and west systems add to our ability to discover hostile aircraft, since they give us radar capability we don't presently have. I do not believe the same could be said for the CRS.

113 In conclusion, I believe that the OTH-B, CRS is not a justifiable military expenditure, especially when one considers the potential it has for serious negative health effects over a very large geographic area and population.

Thank you.

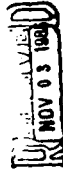
Sincerely,

Fred Schumacher

Fred Schumacher

October 27, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt. Virginia G. Brown
Hanscom AFB, MA 01731



Dear Lt. Brown:

G8

Recently the U.S. Air Force requested public comments on the proposed Central Over-the-Horizon Backscatter radar system. This letter contains my comments on that proposed project.

To evaluate the possible health effects of exposure to radiofrequency radiation from the radar, I reviewed Environmental Health Criteria 16: Radiofrequency and Microwaves (World Health Organization, Geneva, 1981), the recent proposals by the U.S. Environmental Protection Agency to control public exposure to radiofrequency radiation (51 FR 27317, July 30, 1986), and the sections on health effects in the draft

environmental impact statement for the proposed radar. Based upon my review of those documents, it appears that there are substantial gaps in knowledge about the health effects of radiofrequency radiation. Those gaps include the following:

1. Reliable dose-response data aren't available for many of the effects of exposure to radiofrequency radiation.
2. Very little is known about the low-level and nonthermal effects of radiofrequency radiation or about the effects of chronic low-level exposure to radiofrequency radiation.
3. Little is known about the effects of radiofrequency radiation upon the incidence of tumors and cancer.
4. There is only limited information about which portions of the general public might be the most sensitive to radiofrequency radiation.

In a situation like this where the health effects of radiofrequency radiation aren't that well understood and where some of the potential health effects of radiofrequency radiation could be fairly serious (such as the induction

of tumors), it makes sense to give the benefit of the doubt to the safety and health of the general public by making sure that the public will receive as little radiation as is reasonably achievable. This is in accordance with the World Health Organization recommendation (in section 1.2.6.2 of Environmental Health Criteria 16 Radiofrequency and Microwaves) to keep the exposure of the general population to radiofrequency radiation as low as readily achievable and is in accordance with the widely accepted philosophy in health physics of keeping exposure to radiation as low as reasonably achievable.

The difficulty in this is in defining what level of exposure to radiofrequency radiation is reasonably achievable. How I approached that determination was to look at existing radiofrequency exposure standards for industrialized countries like the US. and to assume that all of the radiofrequency exposure standards currently in effect in those countries are achievable and practical standards (ie, standards that are not hard to comply with). To estimate what exposure

might be the lowest that is reasonably achievable, I picked the value used in the most conservative of the standards. That value, which is the one currently in use in the USSR, is an exposure limit to the general public of a maximum power density of 0.01 mW/cm^2 .

To keep the exposure of the general public to radar radiofrequency radiation as low as reasonably achievable, I recommend that the following actions be taken:

1. The transmit site should be designed so that the maximum power density near ground level at the exclusion fence would be at or below 0.01 mW/cm^2 . In practice, what this would mean is that the exclusion fence for the transmit site should be on the order of 3.4 miles away from the antenna faces instead of the 4000 feet proposed in the draft environmental impact statement and on the order of 3000 feet away from the back sides of the antennas.

2. It is also recommended that pilots, including operators of agricultural spraying aircraft, be advised against flying within the area enclosed by the transmitt site exclusion fence. That will help to minimize their exposure to the radiofrequency radiation from the radar.

Thank you for the opportunity to submit comments about this project. I hope that the comments and suggestions in this letter will be useful to you.

Sincerely,
 Jim Killingbeck
 Jim Killingbeck
 624 S. Hannifin Street, Apt. 4
 Bismarck, ND 58501

ARTHUR G. BILDEN, MAYOR

JORDAN KORDAM, CITY AUDITOR

CITY OF NORTHWOOD

Northwood, North Dakota 58267



October 27, 1986

G6, G8

Lt. V. G. Brown
 ESD/SCD
 Hanscom AFB, MA 01731

RE: Over The Horizon-Backscatter Central Radar System

Dear Lt. Brown:

The City of Northwood is deeply concerned about the proposed OTH-B Central Radar System and hereby opposes its location in this area.

First, this radar site would remove land from the tax rolls. With the recent decreases in revenue from other government entities we cannot afford to give up this source of tax revenue.

Second, this radar site would remove prime agricultural land from crop production. As a rural agricultural community we are already depressed. To take away our land, our greatest resource, would be unfair to us as well as to all who depend on us.

Third, the potential environmental and health hazards resulting from a radar site in this area could be a fatal blow to the community. No amount of benefits that may result from an OTH-B radar site in this area can justify this type of costs.

In the best interest of Northwood and the surrounding community we are compelled to state our opposition to location of the proposed OTH-B Central Radar System in this area.

Yours truly,

CITY OF NORTHWOOD

Arthur G. Biden
 Arthur G. Biden
 Mayor

jk

G2, G3

Oct 27, 1986

Ash Grove Farm

Aneta, ND 58212



Dear Lt. Brown,

It seems to me that placing the site for comments with some obscure Lt. V.G. Brown in the Faraway State of Mass. is part of a policy to discourage public comment on the Backscatter system. You probably realize that if you tried to plant bombs out here now, as you did in the 60's, you'd have a lot more trouble.

We live in the Goose River Area west of Northwood. Our farm has been operating for over 100 years. We do not plan to give up one acre for Backscatter without a fight.

That is an emotional statement but there are many facts which make this area a poor place for the system.

1. Prime Farmland
2. Hills, uneven terrain, wetlands
3. Very much in the Central Flyway

I am very much opposed to having this scatter upon the land located in this area or anywhere else of this type. In these troubled farm times this is the last thing we need to contend with!

Please reconsider the whole Backscatter system. Are you sure you need to spend the taxpayer's money in this way?

Sincerely,

Fanny Walter
(Mrs. Herbert Walter Jr.)

First State Bank

P.O. Box 6, PH (701) 883-5321

Orange City Plaza, LaMoure, ND 58458

STATE OF NORTH DAKOTA
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

G3, G4



October 30, 1986

H.O. Electronics
Systems Division
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

RE: Central OTH-B System.

Dear Lieutenant Brown,

Thank you for sending the Impact Statement concerning the above project. Our community is interested in being considered as a possible site for the location of the project. We would appreciate receiving from you information regarding the procedure involved in submitting a request for consideration.

Thank you.

Sincerely,

Leslie O. Neavig

Leslie O. Neavig
President

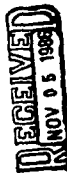
ms



City of HILLSBORO

Hillsboro, North Dakota 58048

October 28, 1986



Lt. V.G. Brown
ESD/SCD
Hanscom AFB, MA 01731

Dear Lt. Brown:

The Hillsboro City Commission, at their last regular meeting, was approached by the "Concerned Citizens Opposing the Central Radar System". The Commission has agreed to provide the Hillsboro Armory, gratis, so that Air Force and Government officials may hold a public meeting concerning the Central OTH-B Radar project.

Please let us know ASAP if you concur with such a meeting and, if so, the date and time so that we can make the proper arrangements.

Sincerely,

James Bretke

James Bretke, City Auditor
P.O. Box J
Hillsboro, ND 58045
Ph: (701) 436-4620

jrb

c: James Bugge, Mayor

THE HEART OF THE RED RIVER VALLEY

October 30, 1986

G3, G4, G5, G6, G7

ROElectronic Systems Division/SCD
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA. 01731-5000

Dear Sir:

Although we are not in disagreement with the Air Force setting up a new radar tracking system, we are in opposition to any sites selected in the Red River Valley for the implementation of the Over-the-Horizon Backscatter radar system, in particular the Blanchard study area. The argument being that we are taking the most productive farmland in the world and not using it to its fullest potential of producing food crops for the human population. Productivity for humanity must come before wildlife concerns and ease in the physical set up of the site. In regard to long range planning, the government is misusing this rich, naturally organic balanced soil that the world has come to depend on for one of its primary needs-food. This action is but another "cog in the wheel" of dehumanizing the common man's existence. We are in agreement with Blanchard, Galesburg residents when they suggest that marginal or government land be put to use within a radius of fifty miles of Grand Forks. We cannot continue to take and misuse natural resources without repercussions in the future.

Yes, we do have a very personal concern. The government is taking away property that is invaluable. No dollar amount equals the value of this prime farmland. This land provides income for our Mother. If the government buys the land, we will lose about one third of the monies to Capital Gains Tax. This is not an equal trade. The monies received should reflect the market value of the land and the amount of the Federal Capital Gains Tax which must be paid.

My Grandfather, a Norwegian immigrant, worked on the Blanchard Farm during the Bonanza operations in the 1880's, purchasing and homesteading 160 acres of this quality land. During the Depression, my Father and Mother labored long and hard to pay the debt owed to family members so that they in turn could be landowners. They were able to purchase eighty additional acres of this valuable land. We are destroying our American heritage when we use our natural resources for the wrong purpose. We have instilled in our children the importance of caring for and respect for the property we own. With lifestyles becoming so fragmented, it may be crucial for people in the future to be able to "go back to the land."

Below are other concerns for the adjoining agricultural land that the Environmental Impact Statement has not fully addressed:

1. What effect is the site going to have on the rural road system? What inconveniences are going to result? For example, transferring machinery from land on one side of the site to land on the other side of the site.

2. What is going to be done to control noxious weeds on the site? Grass-lands will not automatically appear.
3. What specific plans have been made to accommodate the drainage of surface water if the Blanchard site in particular is chosen. Will it change the channel of the Elm River branches?
4. If the land is leased and the radar site abandoned in the future:
 - a. What period of time will elapse after abandonment before the land will be returned safely to agricultural use?
 - b. Who will be responsible for the removal of abandoned equipment and structures?

We are not in opposition to the OTS-B, but there must be an alternative location where unutilized land could be used.

Sincerely,

Mrs. Emalie (Berkas) Jamniet

Mrs. Emalie (Berkas) Jamniet
8709 Beard Rd.
Bloomington, Mo. 64631
(Tel.) 612-831-4796
Landoner, Blanchard site

International Union of Operating Engineers

LOCAL UNION NO. 49, 49A, 49B, 49C, 49D and 49E
MINNESOTA • NORTH DAKOTA • SOUTH DAKOTA (East half)



JOHN J. LACHNER, President
JAMES E. BOEMER, Vice President
JOHN M. SCHOUVELLO, Recording-Corresponding Secretary
JOHN R. PENDELMAS, Treasurer

Approved with A.F.L.-C.I.O.

FRED P. DEFESCHUK, Business Manager-Financial Secretary
2829 ANTHONY LINE SOUTH - MINNEAPOLIS, MINNESOTA 55419
Phone: (612) 786-9441

October 28, 1986

Arden M. Grundvig, B.A.
P.O. Box 1715
Grand Forks, ND 58206-1715

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown,

I have attended both public hearings on the Back Scatter Radar system proposed for this area. I listened to much testimony, mostly from opposition with no real reason except just being against it. A few had some very valid concerns which I am sure will be checked out thoroughly.

I am a Union representative with no personal interest. However, I look at it from the stand point of common sense. (I hope), regarding the strategic location as was well explained at the hearings and the necessary back up provided by the Air Force Base itself, both being very essential to our well being and for the total protection of our nation including all the citizens in other parts of our country as well as here.

It will enhance the economics of the entire area with the construction work for many skilled tradesmen and the continued operation and maintenance work when the system is operational. My personal opinion and that of many friends throughout the general area, is that it should be built in the area most desirable for our national defense, where ever that location may be.

Thank you for the opportunity to express by position as it would have been hard to do at the hearing with so many others that live in the proposed areas and the late hour.

Respectfully,

Arden M. Grundvig
Arden M. Grundvig
Area Representative
Int'l Union of Operating Engineers
Local 49

RECEIVED
NOV 07 1986

RECEIVED
11-18-86



Dakota Public School District No. 3

Hunter, ND 58045
MAL HABERMANN, SUPERINTENDENT
876-2264

Dakota High School
Arthur, ND 58006
Ronald Fried, Principal
876-4344

Dakota Elementary
Hunter, ND 58045
Dorinda Carpenter, Principal
876-3322

November 12, 1986

G4, G6, G9

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

The Board of Education of Dakota School District #3 would like to thank you for sending us a copy of the Environmental Impact Analysis of the proposed construction of the Over-The-Horizon Backscatter Radar Program. We also thank you for scheduling another hearing to allow us to learn more about the proposed system and have our concerns addressed.

In preparation for the hearing at Hillsboro, November 8, 1986, we have prepared the following data relating to the portions of our school district lying in the Blanchard study area as outlined. Attached is a photocopy of this area with our school district land area superimposed. As you will note, portions or all of all sections lie within the Blanchard site. Six families of our school district with their ten children live within this area.

A typical section of land (640 acres) in Bohnsack township within this area generates approximately \$1850.00 dollars of tax for our school district each year. This translates to about \$2.89 per acre. If a minimum of 2400 acres is removed from our tax roles for a receiver site as proposed, this would mean a tax loss to our district of \$6936.00 per year. If families with students in school are displaced, it would mean an additional loss of \$1555.00 per student of state per pupil support in foundation and tuition apportionment payments. As you can see, the monetary loss to our district is significant and is a concern for us.

We would like to have you address the following questions either by letter or at the hearing at Hillsboro on November 18th:

1. How many families might be displaced by the actual location of the receiving site here?

FORWARD OF BOARD
Hanscom AFB
Hanscom, MA 01930

CLERK OF BOARD
Mrs. Mary Johnson
Hanscom, ND 58045

BOARD MEMBERS
J.L. Anderson
Gregory Buehler
Paul Lombard
Charles Smith, Jr.
John Porter
Paul Toft

Dakota School District #3
November 12, 1986

Page 2

2. Is the loss of the tax base permanent or will there be compensatory impact aid allocated to the school district? If so, how much impact aid can we expect and how long will it be allocated?
3. Will the land be leased or sold to the federal government?
4. How will bus radio communications be effected, especially if our bus has to travel on the north side of the site? How near to the site will we experience radio interference?
5. What kind of an influx of families might we experience in the school district during the construction period and when the site is operational? Would the families be living in our school district, in Hunter or Arthur, in temporary housing on the site, or will they be living elsewhere, i.e., Hillsboro, Grand Forks, etc. How many children might we expect during the construction period and permanently thereafter?

We thank you for your attention to these questions. We look forward to your response either by letter or at the meeting. A delegation of the Board of Education of Dakota School District will be present for the hearing.

Sincerely,

Hal Habermann
Superintendent

H-H/vre

ENC1
as

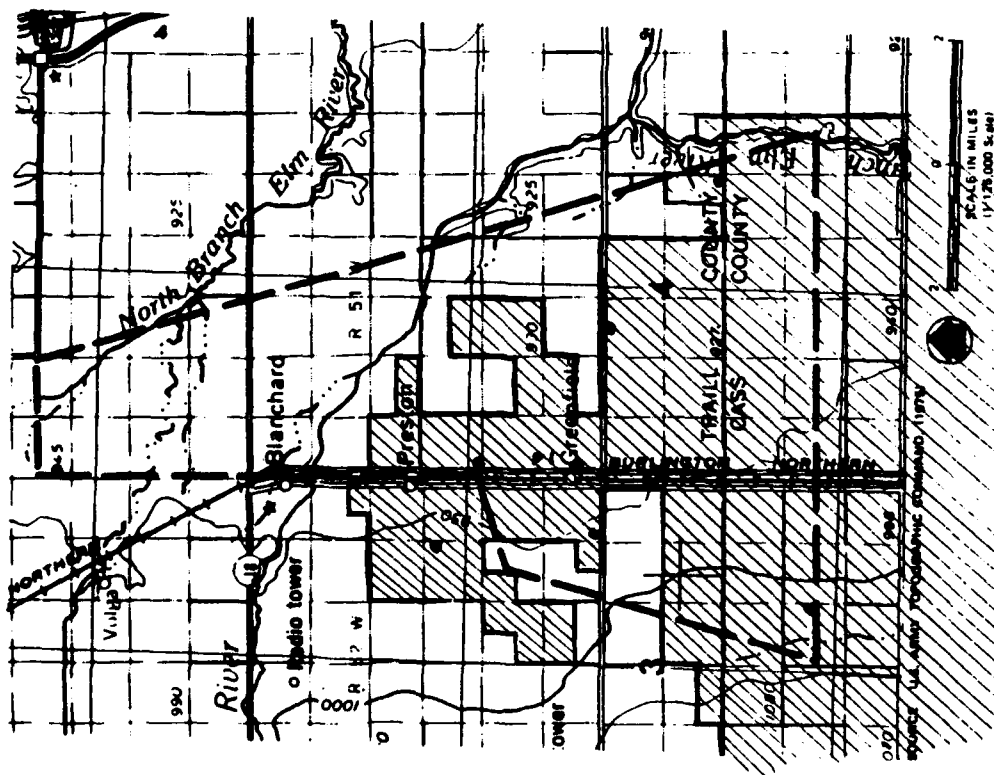


FIGURE 2-10 BLANCHARD STUDY AREA

2-10

Department of Air Force
 Lt. V.G. Brown ESD/SEO
 Hanscom Air Force
 Mass. 01731

Nov. 15, 1986

G1, G3

Gentlemen:

As land owner of SW 1/4 4-143-51 Bell Township, Cass County, North Dakota, for reasons outlined in our informal Nov. 14 phone conversation, I formally request you to eliminate from your consideration the purchase of this land. It is not for sale, and will remain property of our family.

Please acknowledge receipt of this letter.

Very truly yours,

John Thomas Kinney
 8 Dawson Ter.

Fairington, N.J. 07039

Cavalier Rural Electric Cooperative, Inc.



"Do It Electrically"

Serving In Cavalier and Ramsey Counties
Langdon, North Dakota 58249

November 12, 1986

DEC 24 AM '86

Dial 266-5311

James A. Lee, Colonel, USAF
Director
OTH Radar Systems Directorate
Department of the Air Force
Headquarters Electronic Systems Division (AFSC)
Hanscom Air Force Base, MA 01731

RE: COTH

Dear Colonel Lee:

It is evident the Air Force is running into opposition with regard to locating the OTH Radar system in the Hillsboro and Thief River Falls areas.

The Air Force may want to evaluate the abandoned ABH - MSR site at Nekoma for location of the OTH system.

Sincerely yours,

CAVALIER RURAL ELECTRIC COOPERATIVE, INC.

Duane L. Otto
Duane L. Otto, Manager

DLO/las

Comments Central Radar System

Nov 18, 1986

Hillsboro, N.D.

Ronald Porter

RR1 Box 63

G5, G6

I oppose location of receiver here! Grandin, N.D.

The DEIS book page 4-9 says "Blanchard study area very flat and would not require grading or alteration of the drainage pattern of area!"

This is wrong

Any alteration of roads will change the drainage. Also the slope of 1 to 3% will cause faster run off in certain places.

The DEIS has not adequately studied the drainage problems in the Bohnsack (144N 51W) townships.

Every year more drainage problems occur in our townships. The water is moving quicker from the west dropping into our township and because of the flat land we are flooded.

Changes in the roads and ditches can only bring more flooding problems for farmers and township government.

Township taxes will have to be increased to cover the loss of revenue from the radar site and to continue to provide funds for roads and drainage.

RECEIVED
DEC 24 1986

RECEIVED
NOV 21 1986

46 Fisher Street, P.O. Box 1414
Fort Fairfield, Maine 04742
November 21, 1986

G1, G4, G8

ASD / SCO
Hanscom AFB, MA 01731
At: Mr. V.G. Brown

On November 14, I received correspondence from the Office of Inter-governmental Assistance in Hinesburg, Vt. D. concerning a hearing which was to be held in Hildesboro, N. D. on November 18, 1986. I replied to this letter with questions regarding the "Over-the-Horizon Backscatter Radar System". It was their office which referred me to you in the hope that I might have more information with regard to the Central OFH-B Radar System.

As an out-of-state landowner, I have questions:

- Will it depend upon location as to the purchase or the lease of the land involved?
- If land is purchased for the necessary installation, will mineral rights to the property be retained by the original landholder?
- What effect will the radar have on the environment; such as, crops grown in the area, people, air etc.
- Will farming continue in the areas described in the impact study?
- What type of installations are necessary in the project?

My comment's include:

- There should have been contact with all landowners involved before the hearing was set so that we could have had a representative present to speak for them of us who live out-of-state.
- There may be a day when I or my family wish to again reside in North Dakota.
- I would certainly be opposed to such a project suggested if it would upset the present community life for the present or future years.
- I understand that the east-west OFH-B radar installation is in Hinesburg; however, my family visited the site some years ago, I believe - near Juelich, N.D. Has there been any study regarding the high incidence of cancer in Maine reported in the past 10 years to radar?

I hope to be hearing from your office in regard to my questions.

Sincerely,

Mrs. Donald Nabwin

117

RECEIVED
NOV 21 1986

Route #2, Box #13
Hope, ND 58046
December 1, 1986

CERTIFIED MAIL--RETURN RECEIPT REQUESTED

Mr. V. G. Brown
ASD/SCO
Hanscom AFB, MA 01731-5000

G3, G4, G5, G6, G7

Re: Over-the-Horizon Backscatter Central Radar System

Dear Mr. Brown:

As taxpayers living in Colgate Township in Steele County, State of North Dakota, we are concerned and oppose the construction and operation of an Over-the-Horizon Backscatter Central Radar System in eastern North Dakota that would include a part of Steele County which is in the study area for the following reasons:

- Excellent farm land would be taken out of production. Also, some of the land in the study area is already owned by the U.S.A. (Wildlife).
- Loss of tax money to our county, school districts and townships if the land is sold to the government.
- Or, if land is leased by government rather than purchased, would it pay enough rental so that the owner would be able to pay the taxes and have a good living. Present rental rate per year is \$45 to \$60 per acre.
- Foundation Aid would be lost for those school children displaced.
- Economic impact on area businesses because of loss of farmland and displaced families.
- Snow catch along the proposed boundary fence would cause substantial runoff and flooding in spring.
- Added cost for road building, maintenance and snow removal.
- Steele County is a small county. Already the U.S.A. owns 3,517.17 acres (Radar Station near Finley, Mangle Site and Wildlife) and the State of North Dakota (Case and Fish Department, 1,299.63 acres, making a total of 4,816.80 acres. If an additional 4,000 acres were taken for the Backscatter Radar System, our tax base would suffer considerably, and
- We question whether or not the signals will go through when we have a "emirt" storm (snow and dirt).

Sincerely,

Les Hainesburg

Leslie Hainesburg
Owners of 1/4 Sec. 16 & 1/4 Sec. 35 and
Center of 1/4 Sec. 35, Twp. 144N, Range 55W

118

Dear Sir:

G4

Page 2 of 2
12-4-86

I was at your Hillsboro, N. H. Rd meeting Nov 18-1986. My land is located in Bradburn township in Steel County which is 5 miles west of Hillsbury N.H. I was notified of the meeting by a letter I own land in this area.

I do have a mixed site now on a quarter I own in Holden Lake township, Steel County N.H. and it has never created a problem and don't expect the Open - The Horizon Backscatter Radar System would be a problem.

If it did happen to be located in my area I would rather leave the land and I had a question about this. Would the Government lease part of the land and buy part, depending on the farmer wishes, or would they want to do it all one way either lease all land or buy all the land needed?
I would like to have you send me a map showing all the proposed areas.

Thanking you,
Sincerely,

Archie Brown,
Page 2 of 2

5664

RECEIVED
12 DEC 1986

G6, G8

COMMENT SHEET
CENTRAL OTH-B RADAR SYSTEM
PUBLIC HEARING ATTENDED

19 DEC 86

HILLSBORO, ND ☒ BRITTON, SD ☐ THIEF RIVER FALLS, MN ☐

Name: Sen. Malcolm S. Tveten

Mailing Address: R. R. 1, Box 65

Buxton, N. D. 58218

Please check one of the following:

Landowner ☐ Business person ☐ Other ☐

Check here if you wish to:

ask a question ☐ offer oral comments ☐ submit written statements ☐

Check here if you wish to receive an EIS. ☐ draft ☒ final

Area of question or comment (check all that apply):

Air Quality ☐ Public Services and Facilities ☐ Water Quality ☐
Health Hazards ☒ Biological Impacts ☒ Visual Impacts ☐
Geology/Soils ☐ Cultural Resources ☐ Land Use ☒
Other (specify): ☐

Please turn in this sheet as requested by the hearing officer.

Written comments to be included in preparation of the final EIS. You may use this sheet to submit a written comment in the space provided below. Please turn in your comments either at the break, at the close of the meeting, or mail to the address at the bottom of this sheet. Written comments may also be submitted in a letter or other format. Comments must be received by December 8, 1986.

DEAR SIR:

I would appreciate your response to the points made in the enclosed letter to the editor by Fred Schumacher of Kindred, ND.
I would also appreciate any other information concerning potential adverse effects of the OTH-B Central Radar System.

Thank you.

Sen. Malcolm S. Tveten

Senator Malcolm S. Tveten

Mail to:
HQ Electronic Systems Division/SCO
OTH-B System Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

Beware of Backscatter

By Fred Schmeckler

LEWIS, N.D. — Many communities in our Northern Plains region are experiencing a great deal of concern over their selection by the Air Force as possible sites for components of its Over the Horizon Backscatter Central Radar System.

Viewpoint

Opposition to the project is nearly uniform in the region, except for the Three River Falls, Minn., area, where there is a significant urban component of support.

The resulting rural-urban split is a common occurrence in public works projects in which one area, rural in this case, must pay the costs (loss of farmland, tax base, disruption to the local infrastructure) and the other area, urban, could expect to receive the majority of the benefits (the possibility of jobs and local materials purchases).

Polarization of the community is due to be expected. The city of Grand Forks may see this project as a boon to its local economy, but there are tradeoffs that would have to be made. There is no free lunch.

Although the rural economy is depressed at present, agricultural production is the foundation on which nearly all our cities on the Northern Plains are based. Income from that production has a multiplier effect, which makes our community service consumption possible. Any permanent reduction in that economic base, as the Backscatter system would require, should not be taken lightly, especially since the economic benefits from the project would be comparatively short-lived.

In addition to the local socioeconomic effects, this system, through its use of extreme low frequency modulation of its primary RF modulation, has the potential for seriously affecting a 1977 ICRS application. In fact, nearly all the 14 countries, states, several Canadian provinces and Mexico are within the range and intense pattern.

120

Most biological systems, humans included, are extremely sensitive to radio frequency radiation (RFR) of extreme low frequencies (ELF). Dr. W. Ross Adey has discovered a disturbing effect in the 0-35 hertz (cycles per second) range. Backscatter would use 10 to 40 hertz. His experiments have shown a calcium ion efflux in brain and nerve cells exposed to short duration, low-power ELF-modulated RFR. This effect, which is independent of carrier frequencies, inhibits central nervous systems.

Other researchers have discovered our negative RFR direct effect, such as excessive system suppression, disorientation, interference with the vestibular system. However, the Air Force has focused its health studies on the one effect that is generally not a problem in the shortwave bands. Backscatter would use RFR selective heating (i.e., the microwave oven effect). That is why the Air Force can say that it does not expect any adverse health risks from the use of the system.

If the central radar system becomes operational, it is effect, will become the first long-term study of continuous exposure of a population to ELF-modulated RFR. Perhaps it could be argued that this is a sacrifice required of us for our national security needs. That may be valid for the east and west coast Backscatter sites, which will give the Air Force over-the-horizon surveillance capability. But the central radar system would simply overlap them, plus existing line-of-sight systems, without offering additional coverage. It offers risks without rewards. The General Accounting Office, perhaps recognizing the above, plus criticizing the system for its vulnerability and obsolescent technology, has recommended to Congress that it not fund the central radar system.

Schmeckler is a farmer. He estimates his farm is about 40 air miles from the proposed Backscatter transmitter site near Winton, S.D. Schmeckler belongs to the North American Shortwave Association and has been active in landowner and environmental causes.

119

RECEIVED
R 09 12 28 12

City of McVie

McVie, North Dakota 58254

Date 12/2/86

Electronic Systems Division/7500

Attn: Lt. V. G. Brown

Manassas AF3, WA 01731-5000

Dear Sir

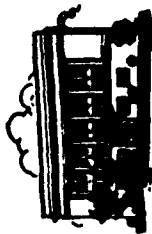
At the December 1st meeting of the McVie North Dakota City Council interest was expressed by all councilmen present concerning siting the Backscatter radar system in Nelson County. At present the most western edge of the Goose River area appears to fulfill most of the Air Force's criteria but is not viewed favorably due to the roughness of the terrain. Moving the site north and slightly west would likely allow the Air Force to avoid some of the terrain problems and land which is not highly suited to farming could be leased or the possibility of mutually agreeable purchases might exist.

It is the council's understanding that the Nelson County Commissioners will be forwarding a letter expressing the interest of Nelson County in siting a radar array in this county. We urge you to meet with the County Commissioners if the McVie City Council can be of any assistance please contact Councilman John Hullen or Mayor L. Victor Nelson. Councilman Hullen attended the Hillsboro meeting with others from Nelson County.

Sincerely,

John J. Hullen Box 545 McVie, ND 58254 701-322-1046

[Signature]



Steele County
NORTH DAKOTA
FINLEY, N.D.

JOHN M. LARSEN, Auditor
DAVID C. WASHINGTON, Treasurer
JAMES H. JOHNSON, Supervisor of Road
B. C. CHASE, Clerk of Board of County
Commissioners
W. H. HARRIS, Sheriff
J. H. HARRIS, Clerk of Board of
County Commissioners
JAMES H. JOHNSON, Supervisor of
Road
JAMES H. JOHNSON, Supervisor of
Road
JAMES H. JOHNSON, Supervisor of
Road

December 2, 1986

Lt. V. G. Brown
Hanscom AFB, MA. 01771-5000

G3

Dear Lt. Brown
Subject: Over-the Horizon Backscatter Radar System

The Steele County Board of Commissioners have gone on record as opposing the Constructing of an Over-the-Horizon Backscatter Radar System in eastern North Dakota. We realize the importance of having a long-range, all altitude early warning and surveillance of aircraft approaching North America, but feel there is a definite need to save our excellent farm land here in the Red River Valley.

The taking of productive farm land will not only put people off their farms, but will have a direct effect on the small rural communities that depend on farmers for their survival.

Our County residents are not in favor of having this Radar System built here. We sincerely ask that you consider other alternatives before making any final decisions on this matter.

Sincerely,

Miles Lund, Chairman
David C. Washington, Commissioner
Sherman Thykeson, Commissioner
William R. Dowling, Commissioner
Joseph H. Hanson, Commissioner
Ruth Gullicks, County Auditor

Dec. 1, 1986

G5, G6, G7, G8

One of the problems I see is drainage problems - the land is black gulches and not easily drained, & every spring there is high water and some years disastrous. In the 70 years the land has been in the family every third or fourth year the land has been completely under water - the basement of the house full of water up to the kitchen floor & no place to pump it to. When some roads closed it will cause more drainage problems. This would maintain the ditches & keep down the weeds. The township would lose tax money and be unable to maintain the roads that will have to haul heavy

loads. There is no guarantee that the OTH-B will not be hazardous to health. Family Farm will be devastated and split up.

Submit that if the Armed Forces - including the Army, Air Force, Navy and Marines aren't ready to defend our Country in 30 minutes - then a warning of 3 or 4 hours is useless - God. Help us!!! We do not wish to see our Land.

Bernice Foster

Blanca Foster, Sub
Concern, Citizens Opposed OTH-B

Dec 2, 1986

RECEIVED
FBI

Comments on OTH-B Central System

G4, G5, G6

Included in this letter packet are news clips & pictures of floods, water drainage & snow problems for the following years 1969, 1970, 1975, 1979, 1982. In 144N 51W & 144N 52W every year brings the threat of flood and crop loss because of the way this land is flat and drainage is a continuing fight as the water from the west empties into our flat "lake bed" land and to slowly moves to the Elm River. It is not "paper news" but we fight sections (640 A) of water every spring & sometimes in the summer with heavy rain on the clay soil.

Pictures (3) of 1979 winter snit storm SNIRT - dirt (erosion) & snow mix in a hard snow drift that snowmobile animals & people can "play" on!

2 Polaroid pictures Sept 23, 1986 of the impossible clay soil and roads. The road was 5 days until dry. (P)

Please check with City of Fargo^{NO} about the problems they have experienced with 19th Ave N. with SNIRT & snow storms & loss of lines. The Hector Field, & NDANG airport fence is N of this street.

122

Please also address the problem of the "wind tunnel" effect in the Valley and rural areas. All our ~~antenna~~ antenna sites and power lines "hum" when this occurs, and the wind blows often. Will this vibration cause receiver problems? Noise pollution to the nearby residents.

Note: Hater & ice in the spring can carry farm chemicals, fertilizer, dirt, and straw and sunflower stalk debris, causing corrosion and plugging of culvert drains. Many culverts ends have to be burned to clear this mess carried by ^{wind} water across the sections (6400). If culvert drains aren't cleaned the flooding is worse, & sometimes they freeze before the job is done.

Comments OTH-B Central System

Questions:

123

Will the antenna draw lightning? Will it be dangerous to work nearby if storm is forecast?

What assurance will the townships have that weeds & roads will be cared for? Can there be a penalty to Air Force if mowing of roads is not done. There must be done several times a year to allow for water drainage. Will dirt erosion in adjacent ditches be removed as necessary by Air Force to keep ditches free for drainage.

Will the land sit idle if purchased and construction does not begin at once? Will Air Force rent it out? until construction starts? If not, will they contract the weeds by mowing or spray?

124

Will rural water & electric lines be rerouted & paid for by the N?

4

Our Force? Or will the Cooperative members have to absorb the costs?

The Final EIS must use the proper names of all townships with the legal description so it is more clear & easier to understand.

Please use more recent maps than 1975. in Final EIS
Also note location of KTH1-TV & KX18-TV.

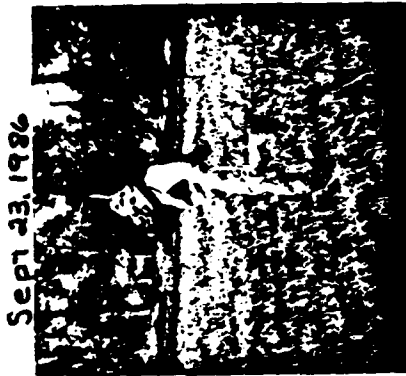
4-144

Thank You,
I hope this gives more information

Sincerely,

Gloria Porter, Sec.
Concerned Citizens Opposed OTH-B
RR1 Box 63
Grandin, N.D. 58038

The opposite location of OTH-B remains
in the Blanchard study area!



Sept 23, 1986

NE 1/4 Sec 33 144N-51W
Poor Workability Soil
Fargo Clay

Sept 23, 1986



NE 1/4 Sec 33 144N-51W
Poor Workability Soil
Fargo Clay

This is the east end of the Blackhawk & Salsburg study area. It is in a summer always drain east to the Red River to Canada. Note this was before high point. Still more water to come from west and south.

HILLSBORO BANNER — HILLSBORO, NORTH DAKOTA

THURSDAY, MAY 1



WATER, WATER — One of the Banner readers who sent us the picture above wants to know if the "load limit applies to boats." The picture was taken at the Elm River one mile west of the Red River Tuesday, April 15, even before the rivers hit their high point during the flooding. For the first time in two weeks, vehicles were crossing the Halstad bridge over the Red River on Monday. Traffic Monday was restricted to trucks.

1969

Area Producers Named Officers In State Group

Pete Lundahl, commercial hog producer from Argusville, was elected president of the North Dakota Swine Improvement Association at the group's recent annual meeting.

Other officers elected from the group's board of directors include Tom Hall, Grandin, representing Duroc breeders, first vice president, Keith D. Bjerke, Northwood, representing Berkshire, second vice president, and John N. Johnson of NDSU, secretary-treasurer.

The group is the organization for swine in the state. Purpose of the group is to improve development of the swine industry in North Dakota. Membership is open to all interested in commercial swine industry in North Dakota.

CLASSIFIED ADS
Really work

BUY, Hire, THR!

FRIDAY, MAY 1, 1969

BLANCH

Mr. and Mrs. W.

lived at Art Bu.

Mr. and

among the

day, par-

land a

the

the

Storm 1979 Glenn Porter farm 144N 51W NE 1/4 Sec 33

Peak end of barn roof.

Note



Man standing on top

This is the top of a auger grain elevator. The snow has almost covered. The snow gets very hard in places and people & animals can go up & over snowmobiles too.



Snow was deep and softer here in yard, but near the fence below it is sculptured by the wind & dirt or (SNIRT) snow & dirt mixed to hard deep drifts.



The photograph is standing in a 10 ft plus drift that is hard and covering the opposite fence in the barn yard. Many farm cattle lots had to quickly try to remove these huge hard drifts because cattle soon find they can easily walk over & out. It's fun to run snowmobile over these high hard drifts. Children & adults are challenged.



Late Snow Storm Down Phone Lines

As the snow storm moved through the area, it caused a major disruption in the telephone system. Many lines were down, and communication was severely hampered. The storm hit the area late in the evening, and the snow fell heavily, causing a significant amount of damage to the power lines and the telephone infrastructure. The telephone company is working to repair the lines as quickly as possible, but it is expected that it will take several days to get the system back to normal. The storm also caused a lot of damage to the trees and the landscape, and many people are still dealing with the aftermath of the storm. The snow is still on the ground, and the weather is expected to remain cold for the next few days.

HILLSBORO BANNER

QUEST WEEKLY NEWSPAPER IN NORTH DAKOTA
JULY 10 1975
VOLUME 94 - NO. 38
HILLSBORO, N. DAK. 58045
PRICE 15¢

Disaster Declaration Sought For Flood-Ravaged Counties

Again the heavy rain engulfed our land and slowly drained it. Crop lands have been much damaged. The Co. was declared a disaster area.

The Red River valley has been hit hard by the heavy rain. The water has risen to dangerous levels, and many homes and businesses have been flooded. The damage is extensive, and the situation is dire. The local government is asking for a disaster declaration so that they can receive federal aid to help with the recovery.

The Red River valley has been hit hard by the heavy rain. The water has risen to dangerous levels, and many homes and businesses have been flooded. The damage is extensive, and the situation is dire. The local government is asking for a disaster declaration so that they can receive federal aid to help with the recovery.

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[illegible]

Many groves in Michigan's countryside along the Great River have
under water. This article was taken Friday morning above
note water in fields away from river
please photo by Elvira Harwell
increased 75 looking and over north Michigan.

RECEIVED
NOV 22 1986

December 2, 1986
RR#1 Box 63
Hope, N.D. 58046

G6

HQ Electronic Systems Division/SCD
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

Dear Madam:

We are writing in regard to the proposed OTH-Backscatter Radar system in our area. We are very much opposed to it in our area. We attended the meeting in Hillsboro, N.D. and listened to all your reasons for it being here and all of the people from the Blanchard Study area telling you why it should not be in their area. I was surprised nobody from the Galesburg study area spoke up that night.

We happen to live on the South half of section 6 in Broadlawn township in the Galesburg Study area. We own this half section along with two other brothers. We farm this half along with the section and a half owned by our father, Paul F. Motter, (West half of section 24 and all of section 13 in Edendale Township).

We have lived on section 6 all 25 years of our marriage. All of our children ages 23, 21, 19, 17, and 10 know no other home. Grandma and Grandpa have lived on section 24 all 51 years of their marriage and raised their 6 children there. The brother we farm with also lives on the home farm near Grandma and Grandpa and he and his wife have lived there all 24 years of their married life and their children ages 21, 18, and 15 know no other home. We know our personal reasons don't mean much to you but they do to us. This land and surrounding area is our home, our livelihood, our past, our present, and hopefully our future.

We have read your Environmental Impact Analysis Process so we are sure you are aware of the wildlife in the area but one doesn't really appreciate it until you get out and walk the fields. There is much more wildlife habitat than is known officially. Not all the habitat has been sold to the North Dakota or United States Wildlife and is on its rolls. For the past 17 years our family has hunted deer in this area and we have never, that we can remember, failed to fill our licenses. Between our older children and us we harvested 6 deer this year. They are in the freezer now. In the winter it is not uncommon for the deer and moose to come up and feed with our livestock or browse our apple trees in the yard while our German shepherd dog watches. It is also not uncommon for the deer to congregate in herds in the winter of upwards of a hundred animals to a herd but usually they number sixty to seventy.

You should have seen the looks on our two younger boys faces the day a moose ambled through our hedge and around the East side of our house. The boys had been playing ball in the yard and they knew you don't get in the way of a moose. A moose goes where he wants to when he wants to and a fence doesn't mean much to him. We fix a lot of fences after the moose go through them and let our livestock out

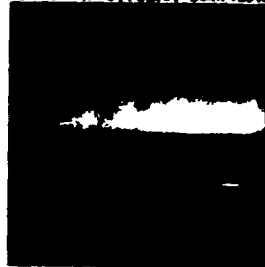
1982

Many sections were covered with water

Page 2 - Editorial - Nov. 11, 1982

Editorial

Chenault land, owned by John Thayer



Looking North from the
SPang 1982 SE corner 2222
Greenfield (144N 52W)



Flowing water creates the illusion of the Green River and
and its banks, as seen from the Williams City Park. There is a
a few fields that have been under water for the last 100 years.

Sandbaggers work at

Tate farm

Nov 22, 1982
Nov 22, 1982
Although sandbagging had to be done
on the Tate farm last Thursday, the fact
remains in that area where to be improving
according to National Flood Disaster
Agency Services director for Traft County.

We employed a crew from and around
Burlington in Traft and for awhile about 20
high school students volunteered to help with
sandbagging on the farm which is located
at 144N 52W.

John and Susan, who the wife worked
for long for the sandbagging crew and the
County and State are both working. He
said the sandbaggers right now are with
some things that are not done and are
removing standing water in some fields.

The County Board is now looking about
the way to get a lot of money for
people who are interested in the Tate farm
which is owned by the Tate family since 1979.

Water covered many
Acres of
144N 52W.

Within some of them, which are
from

5 December 1986

NO Electronic System Division/SCD
OTH - B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

RECEIVED
NOV 10 1986

Dear Lt. Brown:

I attended the public hearing at Britton, South Dakota and was impressed by the quality of the OTH-B presentation. For this I say, thanks.

As an amateur radio operator, I do support the OTH-B program. My home is near Blanchard, ND -- a potential site for the radar receiver. The purpose of this letter is to make a statement for the EIS package and to request some help from your office.

First, the statement. "The draft Environmental Impact Statement includes these amateur frequencies in the List of Forbidden Frequencies: 40 meters -- 7.0 to 7.3 MHz; 20 meters -- 14.0 to 14.35 MHz; 15 meters -- 21.0 to 21.45 MHz; and, 10 meters -- 28.0 to 29.7 MHz. These amateur radio frequencies were not included in the List: 30 meters -- 10.100 to 10.150 MHz and 12 meters -- 24.890 to 24.990 MHz. It is requested that these amateur radio frequencies (30 and 12 meters) be included in the package of Forbidden Frequencies."

Second, some help from you. Part 97 of the FCC Rules provides for one-way communications among amateur radio stations. FCC 97.91 states: "... the following kinds of one-way communications, addressed to amateur stations, are authorized and will not be construed as broadcasting: ... (b) Information bulletins consisting solely of subject matter having direct interest to the amateur radio service."

My station, N380, is a bulletin station. Recently, I developed a bulletin program to provide information to other amateurs concerning the OTH-B project. In addition to this on-the-air bulletin program, I am issuing a (non-profit) information letter which provides illustrations and photos to complement the radio transmissions. This is, I think, a very effective way to get the true information about the backscatter system to amateurs who can then intelligently discuss the project in their communities.

It is with this information bulletins and letter that I make this request. Please provide assistance to our work by sending photographs which could be used in our letter -- suggest copies of the photographs which appeared in General Electric's brochure on the AM/FPS-118 Radar -- including those of the Transmit Subsystem, Operations Center and Receive Subsystem.

I thank you for your help. Happy Holidays to you and your staff.

Cordially yours,

John Mutter

N380

Keith Seaver

Box 241

Portland, North Dakota

58274

We know you plan to build a ten foot high fence to protect your radar receivers from the mammals. How are you going to protect them from the birds?

We know you know that we are right in the middle of the Central Flyway and in the middle of the breeding area, and the migration corridors for waterfowl. But do you know that not all the breeding and feeding areas can possibly be mapped because they change every year according to the rain and snow fall and according to the farmers crop rotations? In this study area it is basically impossible to pick a site that is safe for (or from) the waterfowl. We can just imagine now the sight of your 65 foot high back screen with hundreds of dead birds hanging by their necks and the uproar of the Audubon Society, Waterfowl enthusiasts, the Game and Fish Departments--both Federal and State, the Animal Rights Activists and many more.

We, ourselves, don't hunt waterfowl but if we did we would have a perfect location for it. All summer long they are feeding and raising their young and in the fall their Northern relatives come down to visit and feed and rest in the area grain fields before moving South.

If you have looked at a map of Steele County and surrounding counties you can see that Steele County is a small county in area but it has already done more than its share in contributing land to the government. This land is no longer generating tax revenues for the state, county, or school districts. The Galesburg Study area takes in both the Hope and Galesburg school Districts. According to figures from the Steele County auditor Steele County now has 1,299.63 acres of land owned by the N.D. State Game and Fish Dept. We have 3,517.17 acres owned by the United States Government. Some of this is for Wildlife some for already existing Radar, and some for Missile Sites. The N.D. Highway Dept. Steele County Highway Dept., Steele County Park Dept., and Water Resources owns another 1,389.56 acres. Totalled up our small county is not getting tax revenue from these 6,206.36 acres and now you want to take another 2,400 to 4,000 acres out of our little county and off it's tax rolls.

Steele County is not a poor county. But, if we keep losing privately owned land, the people on the land, the revenue generated by the land both in production of farm goods and the tax revenue, we will become a very poor county. If we loose the wildlife habitat and then the wildlife the country as a whole will be poorer.

Sincerely,

John Mutter

Mr. and Mrs. John Mutter
RR#1 Box 63
Hope, N.D. 58046

RECEIVED
JAN 10 1986

December 5, 1986

James A. Lee, Colonel, USAF
Director
OTH Radar Systems Directorate
Hanscom Air Force Base, MA 01731

G3, G4

Dear Colonel Lee:

As a follow up to our conversation following the public hearing on the OTH Backscatter Radar System held in Hillsboro, ND on November 18, 1986. Those attending this discussion in addition to yourself were:

- Charles Gehrke, Aneta, ND - Nelson Co. Commissioner
- Merle Holden, Finley, ND - Manager Sheyenne Valley Electric & Member McVillage Commercial Club
- John Mullen, DDS, McVillage, ND - Member McVillage City Council & Member McVillage Commercial Club
- Paul Retzlaff, Aneta, ND - Landowner
- Curtis Twete, McVillage, ND - Member McVillage Commercial Club

Our proposal would be to consider moving the Goose River proposed site west of Highway #32 as the land we feel would be better suited to this project. We would recommend the emphasis be placed on leasing the land rather than purchasing as to not disrupt township tax basis. We strongly recommend a local informational meeting with local landowners with a lease proposal, the intent being that landowners have input to the site selection by way of making land offers rather than being told they must give up their land. We feel the Fish and Wildlife people must be prepared to participate their fair share for the local landowners to react favorably.

Please be aware that we are considering the positive effect to the local trade area and county, but at the same time would be very sympathetic to those landowners who would be involved and would stress the fact that voluntary land sites be high priority in maintaining the support of the county commissioners, the city council and the commercial club. As concerned supporters of this project at the present time we feel we could help encourage participation if you should desire our input.

Having read the Environmental Impact Study in great detail, we concur with its findings and trust you have looked at the local school systems, health facilities and many services southern Nelson County has to offer to those people who would be an integral part of our community for years to come.

-1-

The concerns of weed control, water management, and other good neighbor policies expressed by citizens in the Blanchard area would of course be a concern here also, but with informed input we would see no reason those people responsible would not cooperate if asked to participate.

Thank you in advance for your further consideration.

Sincerely,
Curtis O. Twete
Curtis O. Twete

COT/rea
Enclosure

Functioning for the interest of
North Dakota's Most Progressive Community

McVillie Commercial Club

McVillie, North Dakota 58254

December 5, 1986

HC Electronics Systems Division/SCO
OTH-B Systems Program Office
ATTENTION: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Sirs:

For some time we've been following with interest the process of locating the "Over the Horizon Backscatter Radar System". We have spent much time considering how such a system would impact on our community not only from an economic point of view, but also from an environmental and quality of life one.

We feel that this area just may be the viable option for site location. Therefore, the McVillie Commercial Club, representing the McVillie businesses & service community, has gone on record to request that your agency seriously reconsider the Goose River Site or a location to the northwest of that point where suitable land may be available. We invite your staff to visit McVillie to discuss this further with local government and civic leaders. Or, a delegation from here would be happy to meet with you in your office at your convenience. We understand that our city government officials have expressed similar points of view in a letter to your office. In addition, we are confident that Nelson County government officials are also receptive towards pursuing this matter further.

Please allow me to point out that for a small community, we are quite proud of the complement of businesses and services available here. That includes existing housing and building sites; a wide range of medical services including a modern hospital, drug store, physicians, dentistry, optometry, nursing home; recreational facilities; a fine educational system and churches. From McVillie there is easy access to the City of Grand Forks via US Highway 2.

In conclusion, we feel that the immediate area surrounding the City of McVillie is progressive, open-minded and receptive to new ideas, concepts and technology. We also have a history of a fine relationship with our good neighbors, members of the armed forces of the CFAN base.

Please feel free to call on me at 322-5667.

Sincerely,

Tom Ensrud
Tom Ensrud, President

cc: Sen. Quentin N. Burdick
Sen. Mark Andrews
Byron L. Dorgan



4.2.3 West Central Minnesota

Letters were received from:

Alice M. Fridgen, Dumont, MN
Marilyn Gillespie, Johnson, MN
Dolores Rogahn, Fergus Falls, MN
Alice M. Fridgen, Dumont, MN
Don and Lola Mathias, Wheaton, MN
Loren R. Irvine, Eden Prairie, MN
James Conroy and Family, Dumont, MN
Elwina Fischer, Dumont, MN
E. Carl and D. Rose Simpson, Tenney, MN
Fae Aukes, Norcross, MN
Mrs. James Arnhalt, Campbell, MN
Florence Willard, Nashua, MN
Gordon C. Donnelly, Wheaton, MN
Richard H. Link, Superintendent, Campbell-Tintah Public Schools,
Campbell, MN
Alan Rogahn, Heart Butte, MT
Anthony Ringger, Dumont, MN
Merle Escher, Dumont, MN
Joann Conroy, Tintah, MN
Lyn Dodson, Tintah, MN
Leo Murphy, Chairman, Traverse Soil and Water Conservation District,
Wheaton, MN
Donald Conroy, Wheaton, MN
Sophie and Paul Berger, Norcross, MN
Agnes G. Marihart, Graceville, MN
Douglas E. Frisch, Dumont, MN
Ruth Thiel, Wheaton, MN
James W. Gray, Graceville, MN
Walter Schmidtke, Wheaton, MN
Daniel Tritz, Dumont, MN
Beverly Bartz Gallup, Wheaton, MN
Shirley Tritz, Dumont, MN
Duane Rogahn, Tenney, MN
Gloria Raguse, Tenney, MN
Carole Daniels, Tintah, MN
Lois Broesder, Nashua, MN
Dianne Raguse, Nashua, MN
Lavonne Backius, Nashua, MN
Douglas Raguse, Nashua, MN
Harris Richardson, Tenney, MN
James E. Voss, Tenney, MN
Mrs. John Daniels, Tintah, MN
Verne Platt, Tenney, MN
Donald Wetenkamp, Tintah, MN
Jean Putnam, Tintah, MN
Marvin Raguse, Tintah, MN

Al Kosel, Campbell, MN
 MaryAnn Przymus, Wheaton, MN
 Otilia Aune
 Judy A. Stumpf, Tintah, MN
 Kathy Keller, Tintah, MN
 Richard Keller, Tenney, MN
 Jacinta Putnam, Tintah, MN
 Jessica Putnam, Tintah, MN
 Mr. & Mrs. Ron Niesche, Tintah, MN
 Elaine Hawes, Nashua, MN
 Jerry Keller, Tintah, MN
 James L. and Betty Putnam, Tintah, MN
 Rosemary and Myron Janke, Tenney, MN
 Craig Pearson, Tintah, MN
 William L. Grimes, Wheaton, MN
 Vyone Raguse, Tintah, MN
 Loyal and Helen Tritz, Dumont, MN
 W. J. Doyle, Campbell, MN
 Bernard Lehman, Tintah, MN
 Kathleen Barth, Tenney, MN
 Mrs. Floyd Behrens, Dumont, MN
 Ray Shuck, Tintah, MN
 Mary L. and Kenneth F. Arens, Graceville, MN
 Marcine A. Porter, Tintah, MN
 Melea Gran, Campbell, MN
 Jim and Sybil Mann and Children, Campbell, MN
 Christy Morgan, Tintah, MN
 Robert Berg, Chokio, MN
 Joann Conroy, Dumont, MN
 Randy Tritz, Dumont, MN
 Lori Ann Tritz, Dumont, MN
 Duane Porter, Tintah, MN
 James W. Putnam, Tintah, MN
 Wendy Keller, Tintah, MN
 Mrs. Henry Petermann, Tintah, MN
 Donna Conroy, Vail, CO
 Vernon Behrens, Wheaton, MN
 Todd Tritz, Dumont, MN
 Mrs. Bill Peyton, Dumont, MN
 Dolores Petterson, Wheaton, MN
 Tate Keller, Tintah, MN
 Mrs. Stanley Zych, Graceville, MN
 Joyce Wilson, Sauk Rapids, MN
 Walter E. Murray, Graceville, MN
 Joe and Pat Tritz, Graceville, MN
 Valarie J. Hawes, Tintah, MN
 Ambrose Schwebach, Dumont, MN
 Paul G. and Myrtle M. Nelson, Wheaton, MN
 Perry Brown, Campbell, MN

Kevin Lichtsinn, Dumont, MN
 Mr. & Mrs. William Hoffman, Campbell, MN
 Marcie Conroy, Wheaton, MN
 Eldren Lichtsinn, Wheaton, MN
 Lloyd J. Keller, Tenney, MN
 Eric Carter, Campbell, MN
 Steve Raguse, Wheaton, MN
 David W. Keller, Las Vegas, NV
 Theodora D. Economou, Morris, MN
 Thomas M. Stringer, Fergus Falls, MN
 Charles McDonnell, Graceville, MN
 Jim and Kay Weigand, Wendell, MN
 Helen Homan, Beardsley, MN
 Charles and Valeria Hegel, Tenney, MN
 Pearl Behrens, Wheaton, MN
 Sharon Raddatz, Wheaton, MN
 Reverend Eugene Doyle, Tintah, MN
 Donald Bullis, Tintah, MN
 John and Clara Honzo, Chokio, MN
 Gary Keller, Twinsburg, OH
 James McChesney, Campbell, MN
 Mrs. James Schwebach, Dumont, MN
 James Schwebach, Dumont, MN
 Sam T. Courey, Jr., Minneapolis, MN
 Tom Morgan, Tintah, MN
 Douglas L. Berg, Chokio, MN
 Lenora Behrens, Wheaton, MN
 Randy Behrens, Dumont, MN
 The Agnes Berger Family, Wheaton, MN
 Marilyn Mathias, Wheaton, MN
 Mrs. Gerald Frisch, Dumont, MN
 Vicki Behrens, Dumont, MN
 John Tritz, Dumont, MN
 Roxanne Shelstad, Doran, MN
 Steve Raguse, Traverse County Commissioner, Wheaton, MN
 Mr. & Mrs. Carl Simpson, Tenney, MN
 Mr. & Mrs. Clarence Gullickson, Tintah, MN
 Bill Gullickson, Tintah, MN
 Lyle Raguse, Tenney, MN
 Dolores McClernon, Tenney, MN
 Anne and Warren Bartz, Minneapolis, MN
 Mr. & Mrs. Harvey Sorensen, Wheaton, MN
 James M. Braun, Wheaton, MN
 Richard and Danice Young, Herman, MN
 Mr. & Mrs. Wm. Olhoft, Norcross, MN
 Warren Bartz, Minneapolis, MN
 Marjorie Frisch, Dumont, MN
 Anita Antrim, Norcross, MN
 Ryan Poole, Wheaton, MN
 Warren Bartz, Minneapolis, MN
 Mrs. Vernon Ehlers, Wheaton, MN

Marilyn Mathias, Wheaton, MN
 Caroline E. Brink, Dumont, MN
 Philip M. Petterson, Wheaton, MN
 Leon Delbert Berger, Wheaton, MN
 Marcie J. Conroy, Wheaton, MN
 Art Fridgen & Family and LeKay Johnson & Family, Dumont, MN
 Mr. & Mrs. Walter Lubben, Norcross, MN
 LeRoy and Shirley Reckner, Norcross, MN
 Cletus and Marie Doll, Dumont, MN
 Linda Poole, Wheaton, MN
 Margaret Schneider, Wheaton, MN
 Margaret M. Ringger, Dumont, MN
 Ray W. Ehlers, Wheaton, MN
 Mrs. Edward Baxter, Graceville, MN
 Wilbert Schneider, Wheaton, MN
 Clara Berger, Wheaton, MN
 Roy Petersen, Wheaton, MN
 Ellen Cotone, St. Paul, MN
 Mabel and Inez Peyton, Wheaton, MN
 Glenn and Carol Holtz, Wheaton, MN
 Mr. & Mrs. William Peyton, Dumont, MN
 Mr. & Mrs. Michael Peyton, Wheaton, MN
 Mr. & Mrs. Tom Peyton, Dumont, MN
 Mr. & Mrs. Gerald Thiel, Dumont, MN
 Mrs. Vernon Schmitz, Beardsley, MN
 Mr. & Mrs. Bob Thiel, Dumont, MN
 Phyllis Bauer, Dumont, MN
 Mr. & Mrs. Walter Armbrust, Wheaton, MN
 Walter Nosek, Wahpeton, ND
 Lenora Behrens, Wheaton, MN
 Roland Bauer, Dumont, MN
 Mr. & Mrs. Rodney Thiel, Dumont, MN
 Robert and Lois Schmitz, Beardsley, MN
 Orville and Ruth Thiel, Wheaton, MN
 Maureen Owen, Guilford, CT
 Kenneth and Eunice Schmitz, Wheaton, MN
 Paul, Joyce, Tom, and Mike Kodeg, Beardsley, MN
 Francis Mord, Wheaton, MN
 Mr. & Mrs. Daryl Leininger, Wheaton, MN
 Eunice Schmitz, Wheaton, MN
 Larry Raguse, Tenney, MN
 Mr. & Mrs. Clarence Gullickson, Tintah, MN
 Richard and Charlotte Davison, Tintah, MN
 Dean Olhoft, Norcross, MN
 Mr. & Mrs. Joseph Dietz, Sr., Dumont, MN
 Norma Nasek, Wahpeton, ND
 Florence Frickman, Wheaton, MN
 Mabel Winter, Wheaton, MN
 Melva Winter, Wheaton, MN
 Irene Raguse, Wheaton, MN

Sharon A. Finke, Wheaton, MN
 Allen W. Peterson, Wheaton, MN
 Gordon W. Anderson, Wheaton, MN
 Walter C. Johnson, Wheaton, MN
 Mrs. Fritz Johnson, Wheaton, MN
 Nellie Peterman, Wheaton, MN
 Norman Magman, Wheaton, MN
 Beverly Nelk, Wheaton, MN
 Ira Mills, Wheaton, MN
 Elsie Anderson, Wheaton, MN
 Joan Nelk, Wheaton, MN
 Roger L. Johnson
 Leona Mills, Wheaton, MN
 Alvin Vollmers, Wheaton, MN
 Nancy Raguse, Wheaton, MN
 Lorence Winter, Wheaton, MN
 Dennis Klugman, Wheaton, MN
 Allen Weick, Wheaton, MN
 Luann Streed, Wheaton, MN
 Roger Johnson, Wheaton, MN
 Donald L. and Anne B. Hansen, Wheaton, MN
 Sheri Martinek, Wheaton, MN
 Kathy Ranney, Wheaton, MN
 Pat Marcus, North Oaks, MN
 Terry and Lois Tritz, Johnson, MN
 Brad Raguse
 Kenneth S. Tritz, Dumont, MN
 Jim Reckner, Norcross, MN
 Barb Raguse, Tenney, MN
 Marlyn Larson
 Ione Schmidt, Wheaton, MN
 Sister Herman Joseph Frisch, St. Paul, MN
 Kathleen Klugman, Wheaton, MN
 Mrs. Vernon Schmitz, Beardsley, MN
 Grace Thiel
 Manetta I. Johnson, Wheaton, MN
 Kenneth Nelk, Wheaton, MN
 Francis Mord, Wheaton, MN
 Myron Budke, Wheaton, MN
 Marlyn J. Schaefer, Wheaton, MN
 Ellen Vollmers, Wheaton, MN
 Brian and Betty Rinke, Wheaton, MN
 M. E. Tritz
 John and Bernadean Swanke, Wheaton, MN
 Berneta Lundquist, Bemidji, MN
 Dean Toelle, Tintah, MN
 Mr. & Mrs. Ken Krause, Tintah, MN
 Faye and Russell Keller, Tintah, MN
 Mabel Winter, Wheaton, MN
 Richard S. Roberts, Wheaton, MN
 Sharon and Neil Johnson, Wheaton, MN

Steve Keller, Tintah, MN
Dolores McClernon, Tenney, MN
Jim Coffman, Agriculturist, Minn-Dak Farmers Cooperative, Wahpeton, ND
Roy and Doris Berger, Norcross, MN
John E. Daniels, Tintah, MN
Lawrence Lundquist, Graceville, MN
Margaret Johnson, Wheaton, MN
Roy and Doris Berger, Norcross, MN
Bradley Hasbargen, Wheaton, MN
Jerry Berger, Norcross, MN
Thomas M. Stringer, Fergus Falls, MN
Marjorie Frisch, Dumont, MN
Jessica Mathias, Wheaton, MN
Marilyn Mathias, Wheaton, MN
Rick and Jon Mathias, Wheaton, MN
William C. and Ver Nell Buss, Norcross, MN
Mabel Winter, Wheaton, MN
Ewald and Shirley Moerer, Wheaton, MN

U.S.E.W.E.C.

Box 146
Dumont, N.H.
August 25, 1966

Colonel James A. Lee
U. S. Air Force
HQ Electronic Systems Division
OTH-B Systems Program Office
Wurtsmith Air Force Base, N.H.

G2

Dear Colonel Lee,

I have attended both informational meetings in Shepton about the Backscatter Radar Detection System being planned for this area. I am voicing strong objection to this huge monstrosity that would deface our landscape and put some good professional farmers out of business.

I realize the defense department has millions of appropriated dollars to spend but that is no excuse to push and shove good citizens around for such a temporary project. Farming is more than a business, it is a way of life and cannot be compensated for in dollars and cents.

This system is already obsolete because we have airplanes that can not be detected by radar and we are not so foolish to think the "enemy" does not have some of the same. Technological advances indicate there should soon be a much smaller more concise piece of equipment available to do this job.

This is a blatant waste of good taxpayers dollars and ruination of lives and land in the process. I am going elsewhere and spend the money on something more worthwhile.

Respectfully,

Alice M. Fridgen

Alice M. Fridgen
Box 146
Dumont, N.H. 05236
Tel. - 612-563-4076

ACI
KEEP THE RECORDS
DATE: 10/10/66
FILE NO. 1460

63, G5, G8

Dear Lt Brown:
We recently heard there was to be a new radar station located in Traverse County of Minnesota.

I am writing to voice my opposition very strongly to this site as a radar station. This area has very rich, fertile farm land in the lower Red River Valley and there are so many people in the area. This has been our livelihood for generations and even if our farm isn't used as the site, I don't believe anyone knows the long-term possible effects on humans of this type of radiation and I feel this would very possibly jeopardize mine, my husband's, our children and our grandchildren's future health & well being. We would be within 3 miles of the location and I certainly wouldn't feel safe here.

RECEIVED
 JUN 25 1954

We also have very many major streams and creeks right here that there would be enormous cost to reroute, drain, culvert or whatever.

Again, please note that I am firmly and strongly opposed to the radar site in a populated area such as Minnesota.

Yours truly,
 Mrs Marilyn Bellique
 Rt. 1 Box 10
 Johnson, MN.
 56250

RECEIVED
 JUN 25 1954

Sept. 4-1950
 Eugene Feltner, MN 5537
 820 E. Summit St

Lieutenant Gale Brown
 ESO, SPO
 Hanscom Air Force Base
 Mass. 01731

G3

Dear Lieutenant Brown:

Your letter is in regard to the proposed plans to construct a BTH-B radar transmitter on the Wheaton, Minn, north site west of Tipton, Minn.

My family home and farm are in this area where live, lived for 39 years. This land is highly productive. Agricultural lands with many beautiful homes (many new) and lovely farms. The impact on the entire community would be horrendous.

I know well every family inside the 40 sq. mile site, and the families adjacent to the outside of the perimeter. Not one of the families I know of want this transmitter in their community.

I go on record as opposed to the construction of a radar transmitter base in the Minnesota, Wheaton North area.

Yours truly,
 Eugene Feltner

Daumont, Mo.
August 25, 1986

RECEIVED
R 15 SEP 86

Mr. Tom Manning
Air Force Regional Civil
Engineering Agency
1114 Commerce St., Suite 206
Dallas, Texas 75242

G1, G2

R3F; Radar Backscatter Screen

Dear Mr. Manning:

I am writing to voice objection to the Radar Backscatter Screen being planned for the Wheaton area.

I have attended both of the informational meetings held at Wheaton. I fear the Air Force is not really interested in our concerns. I think they already have this project well underway and are just trying to smooth things over and make it sound good to us.

This system is already obsolete as we have airplanes that can not be detected by radar. Are we so foolish to think the "enemy" does not have some of the same? I think there will soon be available much smaller more compact equipment to do this job, rather than the huge monstrosity planned to deface our beautiful landscape.

In the process, good professional farmers, who are farming land passed down through generations, will be put out of business. Farming is more than a business, it is a way of life, and can not be compensated by dollars and cents.

This project sounds like a blatant waste of taxpayers dollars and ruination of lives and land in the process.

There must be other places to spend \$600,000,000.00.

Respectfully,

Alice M. Fridgen

Alice M. Fridgen
Box 146
Daumont, Mo. 64236
Tel.- 612-563-4076

G2, G3, G8

CR 5-4 (Rev. 11-80)
Wheaton, Missouri
Sept. 7, 1986

RECEIVED
R 17 SEP 86

Dear Mr. Board:

We are attemping appeal to the construction of the CTH. 13 Transmitter in Transvaal County.

The government is taking some of the most fertile land for the Radar Base in this Nation. This South east side in Transvaal County is especially one of the most fertile area in this entire Nation.

The people in Transvaal County and the surrounding counties are especially concerned about this situation from the project for the services and Transvaal County.

There are no claims if the
project has to be constructed
it should be on less fertile
land and in a less populated
area.

Heating that was based on
radiation. Studies for
fighters already in this country
we feel Russia and other countries
will have them also.

This Radar site will be obsolete.
It will be replaced now there
is a disappointing size area to
area residents and a product
of vandalism.

Respectfully yours,
Jim and Linda Thain

RECEIVED
19 SEP 86



ICI TOP PORK INC.

18830 Lotus View Dr. • Eden Prairie, Mn. 55344-9830 954-724986

H Q Electronic Systems Division
OTH-B Systems Program Officer
Attn: Lt. V.G. Brown USAF
Hanscom AFB, MA 01731

G7

Lt. Brown:

We own a hog farm on the West side of your North Wheaton selection site.

Regrettable we have not had a chance to review your "Draft Environmental Impact Statement" in detail and also have not had time to seek expert advise, as we've been under the mistaken impression that the potential locations were South of Wheaton and also that if a Wheaton site was selected it would be a receiving site rather than a transmission location.

We have several concerns at the present time:

What is the reduction in level of energy produced by your transmission waves as the distance becomes greater? In other words would we receive less electromagnetic waves at two (2) miles behind or to the side of your transmission site than we would if we were one (1) mile away? If so, how much less? In addition to the obvious problems that these transmission waves would cause our workers and others living in the vicinity, you need to realize that swine are one of the mammals that can not effectively rid themselves of excess heat and it certainly appears that the potential exists for thermo heat to be produced by the pigs absorbing your transmission waves.

A second question would concern the effects your operation would have on water!! Both ground water and well water. Why is there a concern expressed about locations of city wells, when no concern is expressed about individual farm wells which would be much closer to your transmission site? As for ground water, how much more excess water problems are you going to cause for down stream agricultural? How much warmer will the surface water become because of absorbing your transmission waves? What other contaminants might your operation also accidentally spill that would affect both surface and well water?

Another concern is the probable closing of our access roads from the East which would significantly affect our cost of bringing feed to the hogs. Also what potentially hazardous products would you be transporting to and from your transmission site.

In closing it would appear that your report does an adequate job of describing the various potential selection sites, but when it comes to describing the "effects" from your transmissions - then everything is either unknown or vague.

Sincerely,

Loren R. Irvine
Loren R. Irvine
President

Colonel Lee

18 Sep 50

G6, G8

Dear:
Radar transmitter proposed for
Hawner C.

My husband and myself live
in the city of Dumont and we both
have businesses there. He is in the
building & repair (farm machinery) and
have a hair shop in my home.

It is our feeling that if the OTH-B
system were to come into the Dumont
area - it would be bad both for
the business of Dumont and a
potential health hazard as well.
We need the family farm to
survive.

The people of Dumont have
always been proud of their town
& we hope they can be just as
proud in the future.

Ever so Sincerely
Barb
Dumont, Minn 55028

LT. V.G. Brown;

G3, G8

In writing in regard to the
OTH-B Radar sight, being put in
Hawner County Minnesota.

This area is a prime farm land
area and much to populated area for
such a sight.

The health hazard seems to have
been forgot on this sight. In reading
a health article on this type of radiation,
study made at University of Washington School of
Medicine by the Air Force & Doc. They a dis-
proportionate number of rate developed mal-
ignant tumors. The Air Force downplayed the
study but Doc. they did not. Why?

I and my family are very
concerned about this and I guess we
have every right to be.

Don't put this monster in
this populated area.

Thank you;
Sincerely;

James Conroy
RT. 1 Box 12
Dumont, Minn.

James Conroy & Family of 9

The birds and animals.

What effect will this have on my husband's hobby as an Amateur Radio Operator??

So please be considerate of me and our neighbors in your selection of land.

*Lerner,
Hae Ruben*

H. Electronic Systems Division/1000
OTH-B Systems Programs Office
Hanscom AFB, MA 01731-5000

SEP 19 1986

G3, G6

Attn: Lt V. C. Brown

I am writing in regard to the Central OTH-B Radar System, that is proposed for the Traverse Country area.

We live ten miles north of the northern site that you have picked out. We farm a quarter of land right on the line that has been shown. We are concerned as to what it will do to the value of the land. Also I have three brothers farming and living within the north site, who could lose their homes and living. I'm only glad my dad isn't here today to see what is going on. He lived and breathed the land and taught his children to do the same. Now they are living with the threat, that this land might be taken away from them. My home place is within this area and is now going into the forth generation of farming. You take the land away from my brothers who are in their 50s and you might as well tear their hearts out, cause the land means that much to them. I feel like our country has become like a dictatorship. You just have the right to come in and say this is where the radar system is going and that is that. No one has anything to say.

I am asking you to consider a site that is unpopulated. We have one in the north site. It is more towards the south end of the site. There is an area 4 miles wide and 8 miles long that has no one living there. The only problem is that there is a power line close to that area. But wouldn't it be better to reroute the power line then to destroy a persons home. We ask that you give this area your consideration and ask that you put your self in place of the farmer who's home and land will be destroyed for a system that could destroy human life homes and property.

Trusting in God
Mrs James Archalt
Campbell, Minn 56522

Brothers names in north site
Lloyd Keller
Richard Keller
Robert Keller



Nashua, N.H.
Sept. 13, 1986

Lt. V. L. Brown
Hanscom A.F.B. Mass.

Sir:
This letter is to inform
you of oppose the construction
of the G. F. H-B Radar Transmitter
in Towne County

Sincerely
Edward Hillard
Rt. 1 Box 77
Nashua, N.H.
56565

N.T. DONNELLY
PRESIDENT
G.C. DONNELLY
VICE PRESIDENT
PETER H. MULLERBACH
VICE PRESIDENT
MAYNARD HOLMAN
VICE PRESIDENT
ALAN L. LEVINO
VICE PRESIDENT
ROBERT A. SCHWARTZ
VICE PRESIDENT
CAROL ANN CHRISTENSEN
VICE PRESIDENT
DREW G. DONNELLY
VICE PRESIDENT
ARTY CAMERON
(612) 963-8142

STATE BANK OF WHEATON

Wheaton, Minnesota - 56296

INDEPENDENTLY
HOME
OWNED SINCE
1899

September 12, 1986

Lt. B.G. Brown, ESD/SC
Hanscom AFB, MA 01731

Dear Sir:

I would like to stand in opposition to the location of a radar base in Wheaton, MN. There are a number of reasons why I am in opposition to the station.

First, of the 50 possible families or individuals that may be servicing this station, possibly twenty would be located here in Wheaton. Possibly not. Possibly a few more, possibly a few less. I figure that economically you will be displacing twenty to twenty-five families and so the net results of this transaction could be negative or possibly zero as far as Wheaton's economic welfare is concerned.

Another item that has to be considered is the fact that the farmers are in a depressed situation at this time. Their debts in a great number of cases exceed their net worth. Any settlement with the farmer based on the going prices in this area at this time would not in a great number of cases take the farmer out of debt. These will also be forced auctions which will be going on at approximately the same time resulting in a further decrease in the farmer's income from the sale of his machinery. Then when you consider the farmer has to go out, buy himself a home, if possible, re-educate himself, send his children to strange schools, I think the whole project is very inhumane.

I also feel that the radar station is probably five years in obsolescence already. I understand that the air force has developed fighter planes that can sneak by this type of radar. If we have this type of fighter or bomber, I am sure any of our potential enemies have it now or will be having it shortly. Then we have the scenario of an abandoned station. The land will not be able to be reconverted to farming. The community here is out the twenty odd families that have been displaced and the only ones that have profited by it would be the contractors. This is a serious situation.

Then you have the horrible realization of radiation effect on human life.

G2, G3, G6, G8

Lt. B.G. Brown, ESD/SC
September 12, 1986
Page Two

The conclusion of your environmental impact analysis process on page S-9 is frightening. As so often happens, a little minnow in the Tennessee Valley Authority is able to stop building of a dam, spraying of pesticides can affect the birds and fish, etc., but very little concern is given to the effect on human life. Maybe I have that incorrectly. The concern may be there but - well, the farmers and small businessmen in the Wheaton community are extendable. Maybe that is what the military thinking is.

There is no question in my mind that there are other sites equally as good as this one. However, because we have a sparse population, you people have decided that this is the way to go because lose a few, so what!

I am definitely opposed to this radar site in this area. One of the best farming areas in the country. I would appreciate it if you would give more thought to the farmer and his problem, what is going to happen to him in the event that this happens, what is going to happen to main street Wheaton if this happens, what is going to future generations as far as radiation is concerned. I would appreciate it if you would place this letter in opposition to your radar site.

Yours truly,

STATE: BANK OF WHEATON

BY: *Ed. Donnelly*
Gordon C. Donnelly
President
GCD/mg

C.C.: Milo Tritz
Graceville, MN 56240

Vin Weber
U.S. House of Representatives
514 Cannon Office Building
Washington, DC 20515

BOARD OF
EDUCATION
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DIRECTOR
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DIRECTOR
DIANE GRAM
DIRECTOR

CAMPBELL-TINTAH PUBLIC SCHOOLS

CAMPBELL-TINTAH INDEPENDENT SCHOOL DISTRICT #21
CAMPBELL, MINNESOTA 55005

RICHARD H. LIME, SUPERINTENDENT
ALLAN JENSEN, PRINCIPAL
(763) 838-1311

RECEIVED
SEP 15 1986

September 18, 1986

G1, G4, G5, G6, G9

Hearing Officer
H Q Electronics Systems Division
PTH-B Systems Program Office
Hanscom AFB, MA 01731

Atten: Lt. V. G. Brown

Sirs:

Acting officially during its regular September meeting held in District office, September 15, 1986. The Board voted unanimously to oppose the placement of an OTH-B System Radar Transmitter within the Campbell-Tintah School District, Traverse and Wilkin counties, MN.

The following items, while not an exhaustive list, represent some of the concerns and issues raised in the discussion.

- A. The lack of any concrete or factual information regarding:
 - a. The amount of land required.
 - b. The method to be used to determine the value of land taken.
 - c. Provisions, if any, for assisting those who are to lose their livelihood and their homes.
 - d. Provision for use of the land once the system is obsolete or non-operable.
 - e. Population effects on the local school district, a significant number of families and students will be displaced.
 - f. The impact, if any, of recovering the lost tax revenues.
 - g. The plans, if any, for dealing with water and drainage, problems, sure to be generated by large scale grading and filling in the affected area.
 - h. The effect on local electronic apparatus, television, school bus two way radio transmission, etc.
 - i. Plans, if any, for handling the large influx of seasonal workers during construction.
 - j. The effect the transmitter will have on wildlife in the area.
 - k. The procedure to be followed if those in the affected area refuse to sell or leave their land.

1. A major concern was the refusal of the hearing officer to permit full discussion of health hazards and risks as presented by professional people in attendance.

We respectfully request this letter be placed in the official testimony being taken on this proposed project.

An answer to any of these concerns, by you or a representative of the project, would also assist in rational discussion of a matter of major importance to this District and its citizens.

Sincerely,

Richard H. Link

Richard H. Link
Superintendent of Schools

RHL/af's

Copies to:

Rudy Perpich, Governor
State of Minnesota

Senator Charles Berg
Minnesota Senator

Senator Rudy Boeschwitz
U.S. Senate

Representative Vin Weber
U.S. Congress

Senator Dave Durenburger
U.S. Senate

Heart Butte School

School District No. 1, Pennington County

HEART BUTTE, MONTANA 59448
PHONE (406) 338-2211

G3, G6

September 17, 1986

Lieutenant Gale Brown
Electronics Systems Division
LAS-SCO
Systems Program
Hanscom AFB, Mass. 01731

Dear Lieutenant Brown:

Thank you for your call today. I wish to go on record as being opposed to the OTH-B Radar Transmitter at the Traverse County, Minnesota North Site. I do not know of anyone in this area who is in favor of this proposed site.

This area is highly productive farm land in a rich agricultural Red River Valley with many beautiful homes and fine farms. The impact on the schools, environment, and community would be devastating. The schools at Campbell, Minnesota, a few miles North, and at Wheaton, Minnesota, only a few miles to the south of this site, would lose a great many students. The land tax loss to the communities would have a very disastrous effect in the entire area. The churches would also be adjacent to this site and would lose so many families that they would be compelled to close.

My family farm and home is inside this designated area!

Sincerely,

Alan Rogahn

Alan Rogahn
Superintendent of Schools



RECEIVED
SEP 23 1986

DuMont, Minn.
9-17-86

G3, G8

Dear Sir:

Would like to voice my
disapproval of a Radar Base
in Traverse County.

The future need of a
appliance (which, the
need of concrete evidence as
to health hazards and
the displacement of families
near by road. I have been there
areas have suitable, in regard
to it has been.

Yours Truly

Walter Escher

RECEIVED
SEP 23 1986

September 19, 1986

Dear Sir,

First I have every respect for our military
and it's people. But in this case I have to
speak out if I have to lose my farm to the
Radar Base.

Each new map that comes out seems to cut up
my farm more. My best land is in Dollymont
Township, they are taking the whole thing.
In Leonardville Township by the new map shows
a strip along the Collis Road (County Road 4)
that would not be in the Radar sight and a
strip along the Johnson Road (County Road 15)
that would not be in the Radar sight. That
would leave me with very little land and a
building site out in the middle of nowhere.

Please do not pick the Southeast site in Traverse
County.

Sincerely,

Anthony Ringger

Anthony Ringger

A. Lee,

What are you trying to pull on us out here? What is your honest intention about this land? But then I don't expect you to answer that because you don't know the meanings of the word honesty. Did you think we were just a bunch of country bumpkins out here that you could pull the wool over us? Did you think our intelligence was as low you could con us with your valueless statements? Satisfying yourself now, respectfully.

Doc had told me enemy was nervous. Well I know different now. No in our door-step dressed up like a hog in sheep's clothing.

If you have any conscience at all you better leave us your eyes and ears so the real enemies here, not national defense but Russian spies. If the Air Force really attacks there QTH-2 is going to save our country from an enemy attack then we really don't trouble.

I don't know how you sleep at night. I know I'm not sleeping so well either lately now that I've seen some of the intelligence representing our national defense.

Frank Lloyd

VALLEY FERTILIZER INC.

Tintah, Minnesota 56583

Phone: (218) 369-2696

G3, G6, G7, G8, G9

Lyn Dodson (Owner-Manager)

Sept. 17, 1966

Subject: QTH-2 Radar Installation (Wheaton North)

To whom it may concern:

As an independent business owner of Valley Fertilizer and Chemical Inc. located in Tintah, Minn., I would like to object to the placement of the proposed radar installation at the Wheaton North location. My business consists of retail sales of agricultural fertilizers and chemicals, and the custom application of these products to various fields in the area. To locate the installation at this proposed location would have a devastating effect on the future of my business. The 4-5000 acres needed for the installation is in the heart of my trade area. In the site becomes a reality, I feel sure my sales would drop by 25%, or 25 tons of product. The custom application of these products would suffer a 25% decrease. The end result of both of these losses would be nearly \$24,000 reduction in gross profits.

In my operation we use business band radios, to communicate from field and service units throughout the area. We presently use 10 mobile units, plus 2 base stations. We rely very heavily on these communicating devices to operate as economically and as effectively as possible. To reduce the operation and capabilities of these tools of communication would greatly decrease our productivity.

In our work setting to the job with the least amount of road travel is very important. If I find it necessary to detour 6 or 7 miles around a radar facility in order to reach a field, it would be disruptive in the

VALLEY FERTILIZER INC.

Tintah, Minnesota 56583

Phone: (218) 369-2606

Lyn Dodson (Owner-Manager)

(Con't)

efficient flow of services. I feel sure this routine inconvenience would add up to a considerable mileage everyday. The cost of high flotation tires on field units, fuel, and man hours, are all additional expenses that cannot be bore at this time.

The long term effects from the nearby radiation are somewhat uncertain. Personally I wouldn't feel very comfortable living near the site. In the past some decisions have been made by the government on A-bomb surface testing and Agent Orange, with very limited long term research.

The feasibility study done for the site selection process was very slanted and self serving. The study indicated that the land was practically uninhabitable due to poor water and weged soils. When in fact it is some of the most productive farm land in the world. Past production records from AGCS offices will tear this out.

Small businesses associated with agriculture are having a tough enough time trying to survive. Please don't make it any worse.

Sincerely

Lyn Dodson

Lyn Dodson

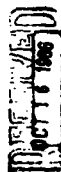
Pres.

Valley Fertilizer and Chemical

Tintah, Minn.

TRAVERSE SOIL AND WATER CONSERVATION DISTRICT

11 10th St. N.
Wadena, Minn. 56481
Telephone (218) 833-8550



MINNESOTA SOIL AND WATER CONSERVATION DISTRICTS

October 7, 1986

Mr. Electronic Systems Division
OTI-R Systems Program Office
Langston AFH, Box 01731-5000

Dear Mr. Brown:

This is in regard to the OTI-R radar system being proposed in Traverse County in West Central Minnesota.

The Board of Supervisors of the Traverse Soil and Water Conservation District have read and passed a motion at their October 1986 regular board meeting to go on record as opposing the OTI-R radar system being proposed because of the negative environmental effects on the area involved.

Sincerely yours,

Leo Murphy

Leo Murphy, Chairman
Traverse Soil & Water Conservation District

LJM:j

AN EQUAL OPPORTUNITY EMPLOYER

DONALD CONROY CONSTRUCTION COMPANY

PHONE 612-463-2222
POST OFFICE BOX 486 — WHEATON, MINNESOTA 56296

September 18, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, Ma. 01731

RE: Radar site in Traverse Co., Minnesota

Lt. Brown:

I am writing to inform you that I am opposed to the location of the OTH-B Radar Site in Walls Township and in Traverse County, Minnesota.

I wish my name to be included on the Walls Township petition opposing said site and also the petition opposing the site in Traverse County.

Thank You,

Donald Conroy
Donald Conroy
Box 486
Wheaton, Mn. 56296

DC/cmh

RECEIVED
18 SEP 86

Dear Lt. V. G. Brown, Sept. 18, 1986
We oppose the building of OTH-B Radar
Radar System in Traverse County, Minnesota, near
1st Minnesota Prairie farmland of the Rich Red
River Valley.

1st They tell us there will be no radiation there
to battle. I do not believe this. It has been
to battle. I do not believe this. It has been
to battle. I do not believe this. It has been

2nd If not good for birds, are animals
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31st If not good for birds, are animals

RECEIVED
18 SEP 86

Yours Truly
Stephen Decker
Paul Burger

G2, G3, G4, G8

G3

100-201-86

Grassville, Min.
9-22-86

Dear Sirs

I'm a landowner in Traverse County and am in complete objection to this Radar Air Force in our County. Farming is our livelihood + our families depend on it, its our way of life, we all want it to stay that way.

Sincerely,
Cyrus H. Marshort

P.S. There must be another area that would be suitable, for it. Please don't put it here in our farmers hand

G2

100-201-86

Sept. 18-86

Final Environmental Impact Statement:


Question

(1) Are you (Air Force) familiar with the 'Stallth' flytew?

(2) Will the Radar system detect the 'Stallth' flytew?

Gregory E. Link
Dumont, Min.

50236

 Sir, regard to the proposed road system for Traneau Co. Wisconsin we are definitely opposed. We are in an area of highway for birds. Also this is an area of some of the best soil in the whole world. Agriculture will grow into it now and the hungry world will be fed. Surely there are marginal areas for your foolish project.

Respectfully, Fred Phil

foolish project. Respectfully, Ruth Thiel

3

12th Sept

9-72-86

James W. Ding
4-22-38

Box 484

Gravelle, Mrs 58340

The Vice President may convene

Edw. A. S.

In regards to establishment of air force
radio transmitter site.

Our property will be included in the
site S.E. of station. Specifically
1/4 section 2 (Doverville) 125 R 45
This land was donated by my brother
over 100 yrs ago. It has helped support the
community & provided a living wage in 4 months
My son-in-law ^{Temper} is now the currently having 4 children
There. There has now been a before child re.
Circled there. There are 4 kids here but 4 yrs
past my son-in-law out of business where
is there any job security for a 33 yr old man
with 4 children?

I will be all in my power to fight and this
from helping

2845 679

Per Lt. Brown.

I had two questions that never got answered at the hearing you had in Wheelton, so I will do so now.

(1) Would any preference be given to giving the veteran in his opinion an ~~indefinite~~ maintenance of the C.T.H. system?

③ Can the CTH system detect aircraft that are now ~~undetectable~~ invisible to radar, such as our Stealth Bomber?

your reply is greatly appreciated

sincerely yours,
 Walter Schmiedke
 Q2 B55
 Wheaton, Minnesota
 56284

02855

Wheaton, Minnesota
76543

Dep. in:

Q ~~He~~ don't like the radar ^{system} ~~because~~
because it will take my grandpa's
farm. And it will take grandpa's car.
And it will take Uncle Jimmy's
pigs. They would have to move
if they put the radar ~~system~~ ^{system} up.
And I couldn't go to D, and poll the
farm. Jimmy couldn't farm any
more neither could Tommy. And I
don't want them to move because
I grew up there and spend most of
the summer,

Sincerely yours,
David Fries
Age just about

Dear Sir:

Am not very good at writing letters but, I hope I can get my message across to you.

As a landowner in Waller Township of Walton SW Twp. County, Walton, Mo. I'm very much opposed to the building of a Radar Transmitter Site here.

My family has been farmers for generations and, to lose this land we've worked so hard for would be mental and physical anguish. We're not only concerned with the environment but, also the 'health' regards to humans as well, and to our well.

We live in an area which is abundant with a great deal of migratory birds as well as other species of birds and animals. The wild geese fly over often some fly so low you can hear them honking. It is a beautiful sight to see. We have many deer and smaller animals that feed in our sloughs and wetlands. You take this away and where will they go. Soon all the birds and animals will become no more. They are God's creatures and who are we to destroy that.

I hope you will give this your special attention. Not only the people in Waller Township but, also in Travers County are very much opposed.

I have attended all the meetings held here in Walton, Mo. and have heard both sides regarding this OTH-B and I'm still strongly against it.

My letter will probably go along with all the other letters you will receive into file 13 the waste basket.

In conclusion, I intend to vigorously oppose this Radar transmitter site in every way that I can.

Sincerely,
Beverly Bartz Gallup

G1, G2, G3, G8

Almond Thw
September 23, 1966

100-295705-11

Dear Al Brown,

I would like to know that this is not the first letter I have submitted covering my "questions" to the proposed related sites in the (Shoreline) Marine C). I would like to ask you to ask our congressmen and to Collier, to Henry Brown & to Mr. Thw. I, and many others, have been meeting before to the State's and that paper covering our opinion. Copies of some of the letters are enclosed. I also gave a statement to the public hearing - copy also enclosed. I would like the letter, the copies I have enclosed and my public hearing statement to become part of the first EIS.

The public hearing concerning the proposed related sites was a farce! We were told by Collier in June at the informational meeting that the Air Force was would stay out right to allow to our concerns. He told us that that anyone who wanted to speak could. He told us that we could voice our opinion and that our concerns would be heard. But what did we get? We were intimidated, humiliated, ridiculed, and laughed at. By a United States Air Force Colonel as low when a Colonel in the USAF talks to his colleagues' make plans which testimony is being presented, such, length and into off speaking and have remained and presently, statement, he no longer command nor remain. He should be asked to. What we heard was a snide and they aggressively that no one could report. We listened to the Air Force presentation and did not interrupt. When it came time to ask questions, their questions were not answered. But speakers who could report what the Air Force was saying - must be allowed to speak. A young girl relating what the related site would do to her father, was told to "compose" herself. Please tell me, how do you compare yourself when anything you have worked and sacrificed for is this, to be

taken away?

The Air Force thinks we are not really asking why? If you could prove that the system is useful for national defense. I would think there about it. But you can't. A system such as this - it needed as urgently now, and would be completed for several years - is of no use. If we have the technology to send people to the moon and have satellites relaying information what, some asked system of defense could be needed out too. If we already had planes that can go through such a system, undoubtedly, the system they had to be already behind times. When there is disappointment, or suppressed data concerning the future of the generation and of those generations to come due to reduction factors something very necessary is being withheld. When in the past of the country this system is placed for every poor people, and tell the that is to be set in a high populated, highly productive area, something else is wrong. When universities, land contractors, scientists and several other factors are placed before the human consideration, something is definitely wrong. When we don't receive our copies of the EIS until five days before the public hearing - something else is wrong and seems to be that the Air Force really hasn't answered any valid questions and doesn't want anyone to know. We were treated like unintelligent beings. I would to send out that rural people are treated as well as poor people. Many of us, students and women, have college degrees. Others have Ph.D.s in 20 fields. We have also earned in college courses and seminars related to our training in our effort to maintain and improve our knowledge. We have also learned and thought our experience and from the wisdom and experience of our parents and grandparents. They are proud. Rural people are proud people. They are proud

of their heritage, their land, and their home. We also have to realize it is all - our heritage, our land, our home, our heritage, our rules and regulations and our legacy to our children. We also have a responsibility to the land. Our religious states that we are stewards of the land and we therefore responsible for its management and development. We bring around us to achieve that that our nation and time is. I don't believe that the Indians had any of that in mind.

Seeing their resource listed, but more importantly, because of the low of life and the destruction of property and pain, we don't need, nor do we want, a sacred site here or anywhere else.

Sincerely yours
 Shirley Felt (Tairi)
 RR 2, Box 74

Dumont, MO 65036

DECEMBER
 24 1986

Sept. 21, 1986

G2, G3, G5, G8

Dear Sir:

I am against the siting of the OTH transmitter system for Plover County. As a farmer and citizen, I cannot see taking productive land out of production, for something that may be obsolete by the time it is operational.

With all the technology available today I cannot see why the Air Force can't come up with a better system that is adaptable to changes at less cost. I've spent \$600 million plus dollars for a system that becomes obsolete in 20 yrs. seems like a staggering waste of tax dollars. It would be better to use this money to build the Stealth fighters.

If this system is to protect the southern shores of the U.S. why not put this system down in Texas where there are deserts and Air Force bases. If you must set up this system why not put it some place where people don't live, if this system hurts animals it will harm people also.

You say farmers are willing to sell their land to the Air Force. I don't know anyone that will. I chose

farming as a career because I like it. If I didn't like it I would be doing something else. I know what it is like to work off the farm.

How would you like to be the farmer and me be the air force and tell you that you can no longer farm your land? Agricultural land should be off limits to a system that isn't fully proven. The day may come when we realize that we had every productive acre in production. There is far more waste land than productive land. We live in an ideal area where every acre can be farmed.

The few jobs that this system would bring to this area wouldn't help the small towns out enough to warrant such an undertaking. This is an agricultural area that depends on the farmer for survival of the surrounding towns. It looks sort of dismal now, but hopefully things will soon turn around so everyone can benefit.

You say that you need land that drains good and is flat. This land is flat but doesn't drain well. In the past when we have had $7\frac{1}{2}$ inches of rain, this looks like lake country.

We live in a free country and I hope you take the time to read and hear what we are saying, for we live here and you don't.

Sincerely
Duane Rogahn
RR 1 Box 155
Jenney, MN 56582

66



474 11/18/15
January Minnesota
September 22/1946

Mr. E. Jackson, Systems Engineer
O'H-B' Logistics Program Office
Hansen AFB, Minn. 55111

Attn: Mr. J. L. Brown

I have along with my
husband and son near the proposed
north site of the O'H-B' radar site in
Hennepin County, Minnesota. We are
opposed to the Air Force getting this
radar site on our area or any other
site in Hennepin County.

We hope in our area think that
the radar site will help our
community economically, but I say
not!

We have friends that live on
the Rogers Falls, Minn. area. So, as a
result the Air Force Engineer they know

they live some on Lake and
has a small business. But they
don't 100 miles or more to the
Grand Forks. The Air Force has
over a winter and buy all the
groceries, cigarettes, clothes, shoes,
hardware and a lot more they
need plus they doctor there and
go to the base dentist, they claim
to save even \$1000 per month
on their grocery bill being there
that 'helping' your community?
Say no!

I feel that the people who
work at this site and who
maintain it will do the same
thing as well as keep their cars
home have families because
they want to. Nations that buy

in our view for that kind
of a time.

Sincerely
Thomas R. King
Lt #1 Nov 11/86
Terminology 2/11/86 2000

RECEIVED
SEP 25 1986

Sept. 25, 1986

68

Lt. V. G. Brown
OTH-B Systems Program Office
Wanskam AFB, MA

Dear Lt. Brown:

I am writing in opposition to locating the OTH-B Radar System in Rowen County, Minnesota. I am a resident of Little Township in Rowen County. Part of our farm land is in the Rowen Porter Lake and our residence is 1/4 mile from this proposed site.

My main reason for opposing the OTH-B is lack of convincing information concerning health hazards. The following statement taken from the August 1986 Airforce Flight ETS on pages 5 and 6 are not convincing or reassuring to say the least.

"... an in-depth, critical review of the available literature on the biological effects of RFR was carried out."

"In sum, the review of the relevant literature indicates that no reliable scientific evidence exists to suggest that chronic exposure to RFR from the OTH-B would be deleterious outside the exclusion fence would be deleterious to the health of even the most susceptible members of the population such as the unborn, infirm, or aged."

The statements I have quoted suggest to me that no new research has been done. Why not? How old is this "available" and "reliable" literature? In fact, when was Gracian County reexamined for the OTH-B? How was it researched and studied? One slide shown at the hearing in Wheaton on Sept. 10, 1986 was a map showing neither Interstate Highway 29 nor a major power line running through the Gracian North site. These structures have been ^{in place} for at least 7 years. Why were they not shown on a map? I have the feeling that you need outdated material or "distortion" on which to base your decision and this definitely shakes my confidence in the credibility of your EIS.

I would like my questions answered in the final EIS.

Please send me a copy of the final EIS. Thank you.

Sincerely
Carole Gracian
Rt 1 Box 9
Tintal Mm. 56583

131

RECEIVED
R 301 X 20

Sept 25, 1986
Hacker Mm.

G8, G9

To: Lt V of Brown-
Spec. Gen:

Reference: For Submission to Final
EIS

Replies to OTH-B Hacker System.

As a close neighbor of Transue North
Site resident I am against the OTH-B
Hacker System because -

1) Little reason
will not be good for our area -
interference to TV reception.
Hacker has enough study done
on this whole system.
Please send me a copy of the
final Impact Statement

Thank you
Ann Brainerd
Hacker
Mm 56585

Sept 25 1986

Hearing Officer
H Q Electronics Systems Division
P4H-B Systems Program Office
Wasecom AFB MA 01731

G3, G4, G8, G9

Attn: Lt V.C. Brown

I am Dianne Regan, a land owner in Truro
County I am Against the OTH-B Radar System because
of the effects of the Radar

1. How much of a health hazard will the Radar be?
2. How much land will it require and the
exact boundary lines?
3. How will it affect our electrical system television
2 way radio transmission?
4. How will you assist those who will lose their
livelihood and their homes?

Please answer my questions and send me a
final Impact Statement also Thank you

Sincerely

Dianne Regan
Rt 1 Box 99

Truro, MA 01965

MA 3 OCT 86

G4, G6, C8

MA 3 OCT 86

Truro, Massachusetts
Sept. 26, 1986

Dear Sir:

For reference to the OTH-B Radar
System and our appeal.

As a shoe retailer (3 miles) I'm
very concerned as to the health condition
the station is going to have.

There are many concerned parties
that need to be answered
that will the land be purchased
for this site?

that many people will be employed
and our people being taxed
why from the family?

I have sent you a copy of the
final Impact Statement. Thank you!

Sincerely,
Dianne Regan
P.O. Box 99
Truro, MA

9/25/86

Hearing Officer
HQ Electronics Systems Division
PTH - 8 Systems Program Office
Hanscom AFB MA 01731

RECEIVED
SEP 25 1986

G2, G4, G5, G6, G8, G9

ATTN: LT V.G. Brown.

I am Douglas Raguse a land

owner in Traverse Co. North. I am against
the OTH - 8 Radar system because of
the effects of the Radar, & cost to
me as a taxpayer, as it is a waste, as
I feel it will be obsolete before construction.

I would like the following questions

answered in the Final E.I.S.!

1. What effect will this Radar system
have on my nervous system, & effects on
me at various distances from
site?

A.T. Raguse

2.

2. Can this Government purchased land
be turned into a ~~storage~~ nuclear waste
site?

3. What effect will it have on my TV,
Radio, Two way Radio's Transmission?

4. What plans do you have if waterways
& drainage are changed by grading &
filling in areas?

Please send me a copy of the

Final Impact Statement! Thankyou

Douglas Raguse
RT # 1 Bar 99
Nashua, N.H.
92565

REC-186

G2, G8

9/25/86

To Lt. U.G. Brown
Reference for permission to final ETS.
from Harris Richardson.

I am against G.H.B. Radar system
at North Prose Site because I really
don't see that the coverage is going
to help with only 700mhz off shore coverage.
I don't believe the effects of the
radio waves have been truly revealed.

I will like copy of the Final
Impact Statement Thank You.
I live just across County line
to North

Sincerely

Harris Richardson

Harris Richardson
RR 1 Box 161
Henry Mn 56582

REC-186

G2, G4, G6, G8

Sept. 25, 1986
Henry, Mn, 56582

To Lt. U. G. Brown

Reference to OTH-B Radar system

From James E. Voss close to the North home
side.

I am against the OTH B Radar system.

I do not think it is necessary and will
soon be out dated.

You don't need prime farm land to
build some experiment on that most
likely won't work anyway.

There are a many things that just
don't add up. As to the people that
are the expert it will have on the
community.

Will there be any local use of our community
by our force people?

Also within the laws we have commenced
what would stop it from being an abuse
each time.

I will send like a copy of the final ETS

Your truly, James E. Voss

G2, G6, G7, G8

RECEIVED
SEP 27 1980

Sept 27 1980
Tinton, MN

HQ Electronic Systems Division

OTH & Radar Systems Programs Office

Attn: Lt. V.G. Brown

Manicom AFB, MN 55731

To: Lt. V.G. Brown

Ref: For Submission to Final EIS

From: Mrs John Daniels, Resident Traverse North

Dear Lt Brown:

I am writing to you in opposition of the OTH & Radar System in Traverse Co, Minnesota, North Dakota or South Dakota. I am a Traverse North see resident & feel the radar system in operation could be detrimental to human and animal life.

I would like the following question answered in the final EIS

1) If your power emitted by the transmitters are enough to melt standards, how do you spare the machine to allow transmission, for

safety levels?

2) If no long term studies have been done on health effects or that you will say in operation; how can your studies be valid on that basis?

3) If proven damage beyond exclusion fence, how is the Air Force going to compensate for damage done?

4) Who will be responsible for the reconstruction of roads if they are taken up by the exclusion fence?

5) How do you justify taking Red River Valley land out of production, displacement of farmer families, children from schools for a radar system possibly obsolete in 5 to 10 years?

6) When was the Impact Statement researched and the class of the various studies? Were questions the validity of reported information since you did not have any real data?

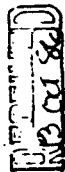
Please answer these questions and
send me a copy of the final
Impact Statement

Thank-you!

Sincerely,

Mrs John Daniels
Traverse County
Mn.

4-186



Sept. 27, 1986
Vernie Platt
Rt#1 Box 160
Tennay, Minnesota

Hearing Officer
HQ Electronics Systems Division
OTH-B Systems Program Office
Hanscom AFB, Me. 01731

G4, G8

Attn: Lt V. G. Brown

Since no Guarantees can be made saying that the proposed OTH-B radar system will not be harmful to the health of anyone living in or around the area, I am against its being built, not only in the proposed areas, but anywhere.

I would like the following questions answered in the Final EIS.....

1. What are the health hazards to people?
2. What are peoples resources, legally, if any health problems occur because of the OTH-B radar?
3. Is it possible that the land used, once obsolete, would be used for a nuclear waste site?

Please send me a copy of the Final Impact Statement. Thank-you.

I respectfully request this letter be placed in the official testimony being taken on this proposed project.

Sincerely,

Vern Platt

copies to:
Rudy Perpich, Governor
State of Minnesota

Senator Charles Berg
Minnesota Senator

Senator Rudy Baschwitz
U.S. Senate

Representative Vin Weber
U.S. Congress

Senator Dave Durenburger
U.S. Senate

229-2622

RECEIVED
MAY 21 1986

G2, G8

Lincoln, Neb. 68503
Sept. 26, 1986

St. W. G. Brown,

We have land in Winnebago, within
and Transva County, in Nebraska. City
T138N R45W sec 32, in Transva Co. Neb.

T137N R45W sec 5 all in your
study area for a Central Radar System.
Our son in law is farming with
us. Off our land were to be taken from
us it would ruin us materially & emotionally
because it would be nearly impossible
to start again in a new location! I

am opposed also because not enough information
is known as to the effects it will have
on people now 50 or more miles from it.

This seems to be a serious waste
of many things. Land, money, people etc
for something that will likely be obsolete
in twenty years or less!

Sincerely,
Donald W. G. Brown

RECEIVED
MAY 21 1986

Sept. 25, 1986
G3, G4, G6, G8
To: St. W. G. Brown.

Re: Submission to Rail EIS
From: Jean Ostrom Resident Transva
County North.

I am very much opposed to the
O+H-B Radar System for a number
of reasons; 1) Health; There are 50
many unanswered questions - We
have heard it is worse up to
180 miles away. What does the
radiation do the unborn?
2) Once this system is absolute
then what will the land be
used for? - A dump site?
3) Farm displacement - This will
have an effect on the local
school district. These families
don't want to leave their
farmsites. And we call
this a "Free Country"???

This land is very nice & very good farm land. I am opposed to this system be built on such land. I see there some where you can build it without people's nice land to waste?

Sincerely

Jean Ostrom
Madison County
North

Sept 25, 1986

Lt. W. G. Brown

RECEIVED
SOCIETY

I live in the area north of Wheaton, Minn. that you want to build a transmit site for the O. T. H. - B. Radar System.

I am very much opposed of this as I have lived and farmed this land all my life, and when I retire want to farm this land over to my son, who is farming with my son.

I have built up this land with much digging and other soil improvement. I will a complete set of building that would last for after all my years of work even if it is not I build on my land I am still concerned for the radiation it would give off in the surrounding area

My dear Mr. Brown
Marvin Gagne
Sept 25, 1986
Lenth, Minn
56583

RECEIVED
13 OCT 86

Sept 25, 1986
R. Kosel
Campbell, MN

TO: LT. V. G. Brown
REFERENCE: FOR SUBMISSION TO FINAL EIS

68

I am opposed to the
CTH-B Loran System because
of the heavily populated Area
they wish to locate & the
Proby unanswered health
hazards.

Sincerely
Al Lake

RECEIVED
13 OCT 86

September 23, 1986

15th and Commercial So
Wheaton, Mo 64679

Re. Wheaton Padar Bire

Dear Lt Brown:

My husband and I would like to take a few moments to
thank you for the encouragement that our opinions also count so each
citizens input, although silent, has an impact. There is so important
in a community when has a few deciding many by their usual
opposition to what I consider an "OK" deal. It is difficult in a
small community to openly display concerns which some consider
personal local politics of a way of life, i.e. farmers. So with
your encouragement balanced by the reasoning of a few
conventional people in Wheaton, I and my husband, would
like to go on record and have our feelings about
as favoring your order for those of Wheaton. In a
community that is being downsized and dying in the
country side, this is the first offer of any salvation for
us. Thanks for the special interest!

Patricia, Program, writer of letter
10/11/86. Program, writer of letter

Sept 25, 1986
J. V. G. Brown
Total, MN 56583

U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
PO BOX 168
DENVER, CO 80201

G6, G8

Dr. J. V. G. Brown

Reference: In submission to Final EIS/Response to
OTH-B Radar System

Dear Sir,

I am against the OTH-B Radar System &
am across the road from Traverse County and am
very concerned about our environment and our
people.

I would like the following questions answered.
How will our schools and etc. continue with fewer
students? And who will pay the taxes on that
land? Will it be a health hazard? Have
studies been done on that? This hasn't been
explained to my satisfaction.

Please send me a copy of the final impact
statement. Thank you

Sincerely,

Julia A. Humpf
Total, MN 56583

U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
PO BOX 168
DENVER, CO 80201

Sept. 26, 1986

To: Lt. V. G. Brown

Reference: For Submission to Final EIS

G3, G4, G5, G6, G8

Dear Sir,

I am very much opposed to the OTH-B Radar System for a number reasons.
There are so many unanswered questions... For health reasons, rich productive
land, families will have to move--our school district will suffer our
tax payers will suffer.

Will this transmitter have an effect on the wildlife in the area?
If the water and drainage be rerouted--will this cause a problem?
When this system is obsolete--what will the land be used for?

This land is very productive and many families would suffer if this
Radar Site be placed in Traverse County.

Sincerely,

Mrs. Otillia Aune
Traverse County North

RECEIVED
NOV 25 1986
NINTON, MW
56583

TO: H. V. G. Brown
Reference to final E.I.S.

My name is Richard Heller.
I am a resident of the Transverse
North City.

I am opposed to the O.T.H. Radar
System for reasons which I have
already stated at the public hearing
in Wheaton.
However I have several questions
I would like to have answered in
the final E.I.S.

Is there conventional radar covering
the two areas of 180 miles on both
East & West coasts which the proposed O.T.H.
is supposed to cover?
Being that you will not avoid
of the power lines through the Wheaton
North area, which has been there since
the late seventies, when was the
environmental study done on this project?

Sincerely
Harry Heller
Rt 1 Box 4
Ninton, MW
56583

G4, G6, G7, G9

RECEIVED
NOV 25 1986
NINTON, MW
56583

TO: H. V. G. Brown

Reference to final E.I.S.

My name is Richard Heller.
I am a resident of the Transverse
North City.

I am opposed to the O.T.H. Radar
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East & West coasts which the proposed O.T.H.
is supposed to cover?

Being that you will not avoid
of the power lines through the Wheaton
North area, which has been there since
the late seventies, when was the
environmental study done on this project?

G4, G6, G8

RECEIVED
R3068ED

TO: L. V. G. BROWN

FOR Submission to FINAL EIS,

Dear Sir,

I am Jacinta Putnam and I am in 6th grade. I live in Trautman county North. I am writing to you because I am opposed to the O.T.H.-f Radar System. These are my questions would my family have to move? (the site would not be directly on our land, but would it be safe to live right next to it?)

What will happen to this land when the system is obsolete?

What would happen to our school district?

Being that this project could partly or fully disrupt a farm that has been in the family for generations. How can a price be put on the loss aspect of this disruption and do you plan to address this problem if it should happen?

Is there any compensation for the devolution of land that would occur near the site?

Is there any compensation for the inconveniences of lost roadways, lost T.V. and radio reception?

I would appreciate a copy of the final impact statement, thank you!

Sincerely,

Richard Keller

Box 149

Tenny, MN 56562

I don't really see the need for
this radar system, and I beg
you Not to chase these
farmers off their homesteads
and Rich land.

Sincerely,
Joanita
Putnam

10
17. VG.
Brown
For
Submission
TO FINAL ETS

RECEIVED
R 304860

G2, G4, G6

Dear Sir,
I am Jessica Putnam.
I am in 4th grade.
I am ten years old. I live in
Traverse County North. I am
writing to you because I am opposed
to the O. F. H. - B. Radar System.
These are my questions. Would my
family have to move? Will we get
paid for giving our land to you?
What would happen to our school District?

What's going to happen to
everybody?
I don't see the need for
this Radar System.

Jessica
Putnam

G2, G4, G6, G8

RECEIVED
RECEIVED

Sept 25, 1986

Dear Mr. V. H. Brown:

We are residents of Lawrence Co. and live in Pictet and are very much appalled to GTH-13 Radar system because it is very frightening. We are concerned for our family, our friends and ourselves.

We would like to know more and be better informed on the health problem, this Radar system. Will there be a chance for direct reports. Yes ☐ No ☐ No 17?

There really is no chance to sense for the young families to stay around here. Is this so true?

Is this area already covered by Radar Yes ☐ No ☐ A few years ago we lived and were. Seemed to dead many times by planes flying under Radar. Why did they spend so much time and money doing that if there is no Radar in this area already. Are we covered by Radar already. Yes ☐ No ☐?

I really would like some questions answered.

What will they do with the land when they are done with it?

Is this system being the people and area or not? Will they be transported in

And out and lives in community?
We would like to see a copy
of the Final Impact Statement.

Thank you
Sincerely,
Mr. & Mrs. Ron Nieseke
Box 24
Tintah, Mn. 56583

Address
Ron Nieseke
Box 24
Tintah, Mn 56583

G5, G7

SEP 24 1970

September 24th 1970
Tintah, Mn. 56583

Mr. & Mrs. Nieseke
Tintah, Minnesota 56583
Dear Mr. & Mrs. Nieseke:

I am supposed to tell you about the
meeting which took place in the Tintah
community center last night. The
meeting was very successful and a
great deal of work was done. We
are very happy about the
results and are very proud of the
people who are working so hard
for the community.

Sincerely,
John Nieseke
Tintah, Mn. 56583

Sept. 25, 1986
Tintah, Min. 56583

RECEIVED
NOV 18 1986

G1, G4, G6, G8

To: Lt. U.G. Brown,

For submission to Fund EIS/
Reference to OTH-B Radar System
from Jerry Keller Resident Transue north

As a Transue North Site resident
I am opposed of the OTH-B
Radar System because of all
the health hazards involved. And
all the farm land is in
danger around the site.

I would like the following
questions answered.

Why want the meeting handled
in an orderly manner?

What happens to the farmers
that have land and live in
the site?

What happens to our children?

(OPT) Please send me a copy
of the F.I.S. Thank you

Sincerely,
Jerry Keller
Tintah, Min.

Please send me a copy of the final
Impact Statement, Thank you.

RECEIVED
NOV 18 1986

What is the
Tintah, Min. 56583

G1, G3, G5, G8

Lt. U.G. Brown

Dear Sir, I wish to express my opposition to
the OTH-B Radar System. I live in the
area, I live in North site, with not
properly informed, I am not even
properly informed, the people here are
I live here over 10 years and the government
didn't know it was here, they that not
negate a current request.

We wish to the Whelan's information
meeting and were aware that the situation
chosen to be so with us very rapidly mounted
we are why, and though that that is
disregard covering up, respect, it was
curly dismissed, and Col. Lee, I'm sorry to
questioned, more than once indicated to
suggest they put people who don't understand
with our situation, certainly it was interesting
Corey and the Air Force ready to

quote me that my grandchildren are
absolutely safe, good future health problems
the "love light" of radiation light is me.

The drainage problem could be serious.
Continue. I want to suggest the danger of
of the problem here, it would land in the
and the valley, which is in the area
to the project, I am sorry. I am sorry, I am sorry.
I am sorry, I am sorry, I am sorry.

G2, G3, G6, G8

EX-184

Sept. 23-1986
Henny - Mum.

ESD-SC0

Att: St. V.B. Brown

Annacomb - AFB. Ma 01730

In regard to your OTH-B Central Radar
System: She are opposed to it.

The farm quarter sections of 21-27-28-29
in the north - least western Quad.

She feel it is dangerous to the health of
Cuda: Animals "humans" in and around it.
You have not researched it enough to make an
ful otherwise. Show us the long term effects
of people in & around your Maine & Calif. system
(which you have not had time to do - say 10:30
years) She enjoy watching the birds migrate &
the migrate in the fields. They will disappear
with your project.

The dead feel it is necessary & will be
on it too. Before completed, if it is completed!
we have traveled enough to see projects
abandoned all over the U.S. (if they go on.)
They have an ugly mark on our land to
say nothing of the harm that created in
the area in the first place. The U.S.
Govt. already has Steele's Basalys (which
they won't admit to) but we know one
cracked out in Calif. Spring. What
makes you think or already know that
other countries don't have the same.

She don't want to look at the ugly
thing. She have worked long & hard years
on this farm - replaced all her buildings -
planted 1000's - yes thousands of trees -
improved the land & have a quantity
of life that you wish to destroy! And one
she has even farmed knows it not least
with paper price & bad weather - now will
have to fight your project too & fight we will.

Yes some are coming back to take over
our land when we say no longer do it.
Are you going to take that right & will away
from them. What are people for ages (in
our early 50's) to do for a living if we
are forced off our land. The is what we
know how to do - what to do & I might
add. do a good job of!

As far as the scattered few letters you
most get from area farmers wishing to
sell their land to you. They are the
ones who could make it farming & see a
way out. I rather pay spiff on that at the
winter meeting. Sheed is all it is.
If they wish to sell let them sell to an
other farmer & keep the land in production.
Farm land can never be replaced.

As far as short term economic
growth (if any) it won't compensate for
the loss in Staple land. Which tell
rest of the area will have to absorb.
You know & you know it will be
high - look John (received perhaps from
the nearest deer - deer case) perhaps 1
farmer in 100 saved. Ridge a job

from it.

I could go on & on - but would like
sure you have received 100's of letters
and are mine. We are opposed to
this project. Anywhere in the area or
will fight in any way we can to keep
it out.

Sincerely,
Raymond Janku
Myron Janku

10/30/70

To Lt. Col. Brown
Reference for submission to final EIS / Response
to OTH-B Radio System
From (LDR) Brown. Resolved Technical Work

As a resident of the Town of North Site
I would like to express my opposition to the
OTH-B Radio System.

Sincerely,
Raymond Janku

Myron Janku
North Site
5687

Wheaton-Dumont Coop Elevator

GRAIN - FEED - FERTILIZER - SEED

A FARMER OWNED INSTITUTION WORKING FOR THE BEST INTERESTS OF THE COMMUNITY

PHONE 563-8152

WHEATON, MINNESOTA 56296

RECEIVED
SEP 24 1986

G3, G6

Sept. 24, 1986

We it resolved that the Wheaton-Dumont Coop Elevator Association hereby voices its opposition to the Proposed Back Scanner Radar project in Traverse county. The loss of Prime Agricultural Farm land to the project will result in the loss of revenue and employment to the Wheaton-Dumont Coop Elevator Association.

Board of Directors: Wheaton-Dumont Coop Elevator

William J. Hume Pres
Gordon Hume Secy
H. H. Hume Treas
H. H. Hume Secy
H. H. Hume Secy
H. H. Hume Secy
H. H. Hume Secy
H. H. Hume Secy
H. H. Hume Secy

Orval Koller mng.

RECEIVED
SEP 24 1986

G3, G8

Lt. U. G. Brown -

In regard to the 044-6 Radar system - we are very much opposed to building it in our area. All our farm land is included in the North-Traverse area. We as a family have worked many years to build our farm where it is today. The land as well as all the buildings. We have rich farm land here where we raise wheat, barley, soybeans, and sugar beets.

If this system needs to be built we feel there is land where it is less populated or barren land.

We are also concerned about our health if it is built near us.

Sincerely,

Uyone Rogers
Trout, Minn.

56583

RECEIVED
13 OCT 66

GL, C2, G4
Mr. and Mrs. Loyal Fritz
Dumont, Minn
56236

Let's build a radar site on prime farm land and give the farmer a decreased price for his land, then leave him without income and with a large debt.

Let's tell the people involved that they will all be seated at a meeting, even if it takes all night, then that the meeting is 90 minutes. Tell them that it will be a hole for them, but not for wildlife. Tell them that the power will be shut off when they want to do field work next to the fence. Let's change the AFB and say it's not up to date.

Let's build a Central OTH-B Radar System 1500 miles from the Coast to detect airplanes when the weather conditions can limit it to less than 500 miles and then tell the people the Russians don't know that the weather here will limit this systems use. A plane you want to build that will fly to Japan in 2 1/2 hours can fly above the radar - In plain words it's just a waste of tax dollars just like all the other ideas around the country - then lie to the tax payers that we need more money and run the nations debt higher. In fact this system is obsolete before it's built. It has a range of only 500 miles when weather conditions are right. Also one can cut out the system off the line by carrying the power to it or blowing it up with a small drone plane etc.

Let's build it anyway - just like the shuttle launch in Calif., the Bradley tank (Zinn built?) then we'll test it and when people die from it, we'll just lie, as was the case of dead and sick ones in Idaho, and Agent Orsone in Vietnam.

I want a signed statement from the Sec. of Defense and the Air Force that this is a lie, not just words out of the mouth that don't mean anything.

There is all the radar at the airports that will let a plane fly all the way from the Coast to Minnesota to land the 6-1 at Grand Forks Air Force Base - or are we just quarantining Canada
Loyal and Helen Fritz

RECEIVED
12 OCT 66

Campbell, Mn.
Sept. 27, 1966
GL, G4

Lt. V. G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Sir:

I live just north of the proposed OTH-B Radar System and I am opposed to this project.

Several questions come to mind.

1. Why can't some independent organization conduct a study of the environmental impact of this system?
2. When was this study done? How is it they didn't know about the power line in this study?
3. The average power output.
4. What do they mean by "local" purchases?
5. If so important for defense why are they using local power?

Please send me a copy of the Final Impact Statement.
Thank you!

Sincerely,

W. J. Doyle

W. J. Doyle
Campbell, Mn. 56522

RECEIVED

Oct 28 1984
Little Rock, Arkansas
R.R. 1 Box 102
Tommy, Missouri 65553

To Lt. U.C. Brown
the Reference to OTH-B Radar System
from Mr. & Mrs. Bernard Fisher, Ranching up
Traverse North
we are against the OTH-B Radar System
as a Traverse North Set against
we feel there is a lot of health
problem with this System.

As a "Big Boy" like mine I am
opposed to the OTH-B Radar System.
I feel that you people already know
what you want to do. But we are not
heavy as the others and have each
one of the things.

Sincerely
Bernard Fisher
R.R. 1, Box 1
Little Rock, Missouri 65553

RECEIVED

Oct 28, 1984
Little Rock, Arkansas
R.R. 1 Box 102
Tommy, Missouri 65553

Lt. U.C. Brown
For submission to find CTS. G6, G8

As a Traverse North Set concerned
citizens, I am opposed to the OTH-B
Radar System.

I am concerned about the health
hazards. Since there are no long term
studies available do you really know
any long term effects or nervous & immune
system disorders?

I am especially concerned about
farm depletion and toxic. We are a
small school district. We have our
area because of the small area and
small school. We have to struggle to
keep it going. To take farm families
from our area and with them farm
houses it is another blow to our
school.

Just how many of our farm
families and farm taxes will you
be taking?

Below would like a copy of the
trial report statement

Sincerely,
Hildten Birth

Dear Sirs,
[REDACTED] S. E. Traverse
County

My husband and I very
much appreciate having the
O+H-B placed in Traverse
County. It would take our
measure of living, our farm
and home and endanger
the animal species known
to some as man or farmer.
Cal Lee said your decision would
be based on the amount of
opposition. Please note we call
oppose this move by the
H. F.

Thank you

Mrs. Lloyd Berne

9-29-86

SUBJECT: OTH-B Radar system near Tintah, Mn.

REF NO: (WHEN REPLYING PLEASE REFER TO THIS SUBJECT AND NUMBER)

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Mr. V. A. Brown
Hanscom AFB, MA 01731

MEMO
TO

RECEIVED
23 OCT 86

G1, G6, G8

Dear Sir,

I'm writing out of frustration over this radar system. I'm told we can write and have our opinions used as input to the final decisions about this system. I'm frustrated because we were not informed sufficiently to have a opinion one way or the other. When we are put on the defensive they react in a defensive way. I was not aware there was a location in northern Traverse county until 9-25 and I heard about it through word of mouth.

I have heard alot of negative ideas about this system since 9-25- and have also read the environmental impact analysis process booklet. The information there seemed to be based on studies unrelated to this particular system.

Part of my family will lose 3/4 of their farm to the Traverse North side. The rest of us live just outside the designated site. I'm very concerned about our health. We live in an area that suffers one of the highest cancer rates in the nation. A heat reflect and

DATE

SUBJECT

REF NO: (WHEN REPLYING PLEASE REFER TO THIS SUBJECT AND NUMBER)

MEMO
TO

the system have on these statistics?

I'm a private pilot. I have been inactive lately but am not removed totally from public aviation. What problems will be caused by the system?

There are dozens of questions I would like to ask and would have asked if allowed the opportunity. I believe in a strong defense against the USSR. That is why I'm disappointed we were not given more information.

If there is still time, please allow us the courtesy of a chance to have our questions voiced and answered. The Air Force is too great an organization to stop at less.

Sincerely,

Kay Shuck
Box 63

Tintah, Mn.

56583

G2, G6, G8

RECEIVED
OCT 8 1968

St. Simon,

We are writing in opposition of the OTH-B system proposed for Lacrosse County in Minnesota at all 3 proposed sites in Lacrosse County.

We have a family farm. Family farms are having enough trouble surviving these economic times much less to have the Chic Grace come in & remove them from their livelihood that has been in their families for many generations & hopefully for many more generations to come. What are these displaced farmers going to do? Farming is the only life that they know & love or else they wouldn't still be here, farming.

We don't have any land directly involved, but are directly south of one proposed site in Lacrosse County. What are our land values going to do? What are our real estate taxes going to do? Who would want to buy land within 6 miles of an OTH-B System?

We have 4 sons. What are the health hazards? What are the hazards to the land? What are the hazards to wildlife? What are the hazards to our way of life?

How can the Chic Grace try to put in place a system that has so many unanswered questions concerned with it? Is it going over

to word when it is finished as is it going to be outdated & a waste when it's finished? All that land, families, lively hoods & pain. What for?

We state once again, that we are opposed to the OTH-B System proposed for Lacrosse County in the state of Minnesota.

Sincerely
Mary E. Jones
Renee F. Chen

9-25-86

G8

[OCT 05 1986]

Dear Sir:

I am writing in regard to the
Over the Horizon Backscatter Radar
site proposed for the area around
Jintels. We do not wish to have
such a site there and it would include
a 1/4 section that we own. The land
was purchased by my grandfather
later by my own father.

We are also concerned about the
effect it will have on our health and
well being. I don't like the idea of
it being a possible waste dump
either.

We hope you will change the location
or forget the thing altogether.

Respectfully,
Marlene Ann Porter

4-205

To Lt. V.G. Brown
for Submission to final ETS.

Melva Grant
HQ Electronic Systems Division, AGE 4/2
OTH-B Systems Program Campbell Minn
Office Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

Dear Sir, I'm writing to you because
opposed to the OTH-B
Radar System

This Radar System
is affecting our school friends
and my family. Why do we
need this Radar System in
our land.

Wilkin County

Oct 6 1976

9-27-86
Mr. Mrs. Jim Mann
Box 181
Campbell, Min 56522

To: H. V. G. Brown
Ref: for submission to final ETS

We wish to have our opposition to the
OTH-B hidden site of Traverse North be noted.

We hope that the following questions will
be answered in the impact statement.

1. Why take some of the most fertile land
in the country out of production?
2. What will be the effect if these nuclear
power plants on the health of the people,
livestock, and wild life?
3. Why aren't the people of an area given
more choice in the use of their land?
- Can we have we come to the point where
what the military government of France
say is what must be done and damn
the feelings or costs to the common
citizens?

Please send us a copy of the final impact
statement. Thank you.

Sincerely

Jim & Janet Mann
and children

Oct 6 1976

Sept 24, 1976

Dear H. Brown

I am a resident in northern Traverse
Co. in Inland. And I am against this
OTH-B nuclear system. I cannot believe
this is happening. It's going to wipe
out land, wild life, water drainage,
businesses, schools, churches, and man-
kind itself. It's very scary. I've
has not been doing studies here on
the effects this system will have. Do
not allow this to happen. Please!! If
we must have two systems, there are other
sites with 10 people involved, the
M.A. Stop this.

Have a good day. I'll be final
Impact Statement. Thank you

Sincerely
Cliff Morgan
T.M.M.
NW. 56583

Robert Berg
10/11/82

G2, G3, G4, G5, G8

RECEIVED
SEP 23 1982

Dear Mr. Brown,

After making my comment on p. 3, I discovered a mistake on page 3. Several words were left out in the two paragraphs where my comment were typed; and in my haste, to get it proof read and mailed so it would arrive before the deadline on Oct 6, I failed to catch the mistake until after it was mailed.

The enclosed page should be used to replace the original page 3. Thank you!

*Sincerely yours,
Robert Berg*

pg. 3

I am opposed to placing the OTH-B in Traverse county because this is prime farmland that is being considered for the site.

What a terrible waste of natural resources it would be to take away 2,400 to 4,000 acres of prime farmland, some of which would be ruined, when there is so much less productive land available. It's not only the loss of prime farmland, but what it will do to the land values in the vicinity of the transmit site, that causes concern. No one who believes that there are harmful effects from low level radio frequency radiation is going to want to live or farm near a transmit site.

I am very concerned about the radiation from the transmitters, and so to gain an understanding in this matter, I have been reading in 3 books on the subject. The books are, "The Zapping of America" by Paul Brodeur, "The Body Electric" by Robert O. Becker, M.D. and Gary Selden, and "Electromagnetism and Life" By Robert O. Becker and Andrew A. Marino. I have also read what both the Central and the West Coast environmental impact statements say on the subject. I have also heard expert testimony on the subject. On the basis of what I have read and heard, I don't want my family and I or any farm family in Traverse County to be forced to live near an OTH-B radar transmit site. Page 4-42-section 4.13.1 of the draft in the last part of the paragraph says "In all cases the highest values of average power density to which the general public would be exposed just outside the exclusion fence would be the maximum permissible values adopted by ANSI". (ANSI, 1982). 4.13.1.2 says, "The exclusion fence would be built so that outside the fence the ground level RFR would be below the value recommended as safe by ANSI." 4.13.1.3 is similar.

139

I am totally opposed to the Central OTH-B radar proposal, because of the many serious flaws, and errors that I see in it.

An obvious flaw, is the omission of a standby power plant of sufficient size for transmitting. On page 2-8 of the draft, in section 2.1.1.6, it says, "The transmit site would require 16 MW of electrical power, and the receive site would require 1 MW of electrical power. The Air Force intends to buy power from commercial sources near the selected sites. If two highly reliable and independent sources of power were available, the Air Force would not build standby power plants. If the necessary reliability could not be obtained in this way, the Air Force would construct a standby power plant at each site with sufficient capacity (1 MW) to meet all requirements except those for transmitting." Common sense, and the history of one of the power lines in the Wheaton area, indicates to me that these transmission lines are so vulnerable to sabotage, and the difficulty of protecting approximately 300 miles of transmission line, so great, there simply won't be any electricity to power the transmitters in a war time situation. Also, if sabotage was carried on over an extended period of time, an act of sabotage won't even provide a reliable warning of impending attack. I have noticed in the final draft of the West Coast OTH-B system that it will have a 16 MW standby power plant, but I've also noticed that the Airforce calls it a soft system. I agree, but in comparison the Central OTH-B proposal is obviously without survivability.

We are told the Airforce plans to use civilian security people I doubt that they could successfully repel a determined attack by even a small heavily armed attack force.

Statement of opposition to the
proposed CRS OTH-B Radar System

Robert Berg

Box 31, RR 1

Chokio, Mn. 56221

Land owner, Farmer, Dollymont Township

The receive site appears to be sensitive to interference generators, and there may be devices that can temporarily knock it out of use.

The OTH-B can't be used to detect ballistic missiles, because their trajectory is too high. It can't be used to the north, because of interference from the northern lights, and the same will sometimes affect its use in other directions also.

There have been many news reports about our Stealth program.

One report says that we already have about fifty operational stealth jet fighters and that at night or in cloudy weather the Stealth fighter has proved to be virtually invisible to radar and infrared detection systems. If these reports are true it means that regular microwave radar is becoming obsolescent. The status of OTH-B radar is uncertain because it is classified information. However, the fact that OTH radar is not new, and Russia has had it for many years, but nevertheless we are building Stealth planes, should tell us something. The stealth technology seems to be very effective and moving very fast. I think, that within six years, the time it would take to construct the Central OTH-B radar, that OTH-B radar may be obsolete.

The news reports revealing that hundreds of secret and top-secret documents, tapes, films, photographs and other materials are missing from Lockheed, and reportedly are about a secret stealth type aircraft the F 19, is very alarming. Security that lax practically guarantees that the U.S.S.R. will have operational stealth planes before the OTH-B radar is built.

I am opposed to placing the OTH-B in Traverse county because this is prime farmland that is being considered for the site.

What a terrible waste of natural resources it would be to take away 2,400 to 4,000 acres of prime farmland, some of which would be ruined, when there is so much less productive land available. It's not only the loss of prime farmland, but what it will do to the land values in the vicinity of the transmit site, that causes concern. No one who believes that there are harmful effects from low level radio frequency radiation is going to want to live or farm near a transmit site.

I am very concerned about the radiation from the transmitters, and so, to gain an understanding in this matter, I have been reading in 3 books on the subject. The books are, "The Zapping of America " by Robert O. Becker, M.D. and Gary Selden, and "Electromagnetism and Life" by Robert O. Becker and Andrew A. Marino. I have also read what both the Central and the West Coast environmental impact statements say on the subject. I have also heard expert testimony on the subject. On the basis of what I have read and heard, I don't want my family and I or any farm family in Traverse County to be forced to live near an OTH-B radar transmit site. Page 4-42 section 4.13.1 of the draft in the last part of the paragraph says. "In all cases the highest values of average power density to which the general public would be exposed just outside the exclusion fence would be the maximum permissible values adopted by ANSI". (ANSI), 1982) 4.13.1.2 says, "The exclusion fence would be built so that outside the fence the ground level RFR would be below the value recommended as safe by ANSI". 4.13.1.3 is similar.

What the American National Standards Institute recommends as safe, will allow ranges from 90 down to 5.75 times as much radio frequency radiation as the International Radiation protection Association guidelines in the frequency range of the OTH-B Radar. The ANSI standards also allow far more R.F.R. than the U.S.S.R., or Poland, or Czechoslovakia limits. The previously mentioned books state the U.S.S.R. limits as one microwatts per square centimeter for general population and 10 microwatts per square centimeter for occupational. The American National Standards Institute power density limits for the OTH-B 5-28 MHz range are 36 to 1.15 mW/cm². This is the same as 36,000 to 1150 microwatts, and these are vastly higher than the U.S.S.R. will allow.

It is alarming to see that Russia with its history, gives its people that much more protection from R.F.R. than ours does.

On the basis of what I have read and heard, I believe that there is sufficient evidence to believe that long term exposure to R.F.R. from the OTH-B will be harmful to health.

I believe the OTH-B radar will be health and life threatening to birds that fly at slow speed and low altitude in front of the transmit arrays, or that land within the exclusion zone. In Wheaton S.E. I am concerned about the Fed. endangered species that migrate through this area- the Bald Eagle and the Peregrine falcon. I'm also concerned about the state endangered and state special concern species mentioned in section 3.5.5.7, but this section is not complete, because we also have state endangered Burrowing Owl, and the state special concern Marsh Hawk in the Wheaton S.E. area. Traverse county receives a large migration of Whistling Swans which are now called Tundra Swans, and large numbers of these feed and rest in the Wheaton S.E. area for about

two weeks each spring. They normally fly at low altitude. This area also receives a large migration of Canada Geese. This area is the migration route for the geese that use the Lacqui Parle game refuge. Large numbers of raptors of many species migrate through this area and many species, Redtailed Hawk, Sparrow Hawks

Marsh Hawks, Burrowing owls, Great Horned owls and etc, nest in this area along with large numbers of morning doves and other migratory and non migratory birds such as Redwing Black Birds, Purple Grackles, Robins, Pheasants, Hungarian Partridge, pigeons, Barn Swallows and others too numerous to mention. Large numbers of Franklin Gulls use this area, and also Blue Herons and egrets. Many of these would be in danger from collision and radiation because of their flight and or feeding or nesting characteristics. The Gulls will be especially vulnerable because of their low soaring against the wind flight characteristics

I believe a flyway shouldn't even be considered as a place for the OTH-B radar. I think the Central OTH-B radar, if built may come to be known as the worlds biggest bird killer.

Many wild animals will get into the exclusion zones. Wheaton S.E. has Raccoon, Red Fox, Badgers, Skunks, Jack Rabbits, Cottontail Rabbits, Mink, Beaver, Muskrats and etc. These will be in danger if they get into the exclusion zone and they almost certainly would. Also farm dogs and cats may get in. In the winter the exclusion fences will be buried under snow drifts which will allow easy access to the exclusion area for the animals that don't hibernate. In addition to the wildlife there are also large numbers of livestock in Wheaton S.E. There are eight cattle feed lots and some hog operations within or on the border of the area, and several cattle feedlots, hog operations a sheep

operation and a dairy farm in close proximity to the site. I am very concerned about possible effects on livestock, both from radiation and the large amount of electricity that will be induced into the ground which could have a stray voltage affect.

In the Draft Environmental Impact Statement for the proposed Central Radar System on page 4-10 section 4.3.2.7 Wheaton S.E. it says, "because it is impossible to locate the transmit site to avoid the sections that are crossed by Twelve Mile Creek or its branches, the creek channel would be culverted or diverted as described in Section 4.3.1. Because all these branches have been designated as state-protected water courses, a permit would be required to make these changes. Because minimal grading and relatively minor alterations to the drainage pattern would be required, impacts on water quality would be small." It is obvious to me, having lived beside the mainstem of Twelve Mile Creek for fifty four years and farming land beside both the mainstem, and east fork, and having seen every spring breakup and every major flow of water in Twelve Mile Creek from my childhood, that the statement that it would take minimal grading and minor alterations to divert or culvert Twelve Mile Creek was probably written by a person who has never seen Twelve Mile Creek and its east and west forks. and doesn't realize that Twelve Mile Creek and its forks have valleys of approximately one eighth of a mile wide in which the stream channel lies. Twelve Mile Creek and its forks is the natural part of a large and important drainage system. The creek carries tremendous amounts of water during the spring runoff and after heavy rainfalls. It flows fast enough to be self cleaning and has not required maintenance. The high waters are contained by the creek valleys and in this site area have

never overflowed on to high ground. The high water mark in my lifetime, was in the spring of 1969 when the creek valleys were almost full. There were many other times when the creek got close to that mark. The main stem of Twelve Mile Creek and its east and west fork has a long history of washing out bridges, culverts, and roads but is an excellent drainage system and the spring runoff is handled by the creek regardless of whether or not the creek channel is clogged by snow.

There was good reason for making Twelve Mile Creek and its forks protected waters. No attempt should be made to culvert or divert any part of this natural system because doing so would require the movement of huge amounts of material and the changes could easily result in devastating flooding of the high level ground. If it was, who would pay for the maintenance of the culverted or diverted sections when the Air Force was done with the area? Who would pay for damages if the modifications resulted in flooding of crops, farm buildings and homes?

This drainage system and the good soil in Wheaton S.E. are contributing in making this area among the highest producing areas in several counties, which is why there are so many family farms left in this area. On some of these farms there are several people receiving income from the farming operations and many are third and forth generation farmers.

This Central OTHB-B proposal is so full of flaws it is difficult to understand why our Airforce wants it. Is there a secondary purpose behind this? I have noticed for example that NC-6 which is a proposed potentially acceptable site for high-level radioactive waste, and the Thief River Falls study area

for a receive site are both on the same rock body with approximately all, except the southeastern area of the receive site, overlapping NC-6. I have also noticed in section 2.1.1.9 decommissioning, that if the land was purchased it would be made available for other federal use when it is decommissioned. Is this a back door attempt to get a radioactive waste site or maybe a toxic waste site? Or can it be used as a communication system?

In conclusion, I believe in a strong national defense, but it isn't national defense to build and rely on a system that doesn't have survivability, that may be obsolete before construction is finished and which in the process could harm the health of the people, birds and animals in its vicinity, destroy prime farm land, sever roads, destroy natural drainage systems, and totally disrupt and maybe destroy many farm families. I think the harmful effects far outweigh any possible deterrent effect on an enemy.

Robert G. G.
Chief of Staff

Oct 6 1986

Box 10
Lumont, Mn. 56236
September 29, 1986

G3, G8

Lt. V.G. Brown
B3D/SCU
Hanscom AFB, MA 01731

Dear Lt. Brown;

I am writing in regards to the proposed Over the Horizon Backscatter Radar Transmitt Site for Traverse County, Mn. This letter should appear in the final Environmental Impact Statement due to be released Nov. 1986.

In the Draft Environmental Impact Statement it states there are no ionizing rays given off from the OTH-B. What about the level of non-ionizing rays given off? We want to know the exact amount and the effects they will produce in living tissue. In the only health study the Air Force has been involved in, I'm referring to the one done at the Univ. of Washington School of Medicine during 1978 and 1985, the results in the rats who were exposed to electromagnetic radiation developed a disproportionate number of malignant tumors. Why did the Air Force not continue its research? Is it a conflict of interests for the Air Force to continue its research and have to share its findings?

The FM frequency level in the OTH-B is the same as our bodies level and therefore capable of destroying human cells. In the EIS it states the radiofrequency radiation (RFR) energy is absorbed by the organism as widely distributed heat that increases the whole-body temperature. What about what it does to the cell structure. Research has already proven that is how we should approach the harmful effects the RFR is capable of doing.

It also goes on to say on page S-5 in the EIS that exposure to RFR at average power densities exceeding the threshold for a specific effect for durations of a few minutes to a few hours may or may not cause irreversible tissue alterations. How can we be guaranteed the Air Force is going to keep the RFR at average power level and not exceed the Mn. safe standard level? If the way the U.S. Air Force represented by Col. James Lee is an indication of how we can trust its word we're really in trouble. Saying one thing and doing another is not going to fool the general public for long. What guarantees will we have the Air Force won't think it is necessary to raise the level of RFR spraying on us from this OTH-B in the name of national defense.

It has already been proven that at certain levels of radiofrequency radiation it attacks the immune system and the central nervous system. In the environmental impact statement it addresses the effects on page 4-84 and 4-85. It states, studies to date indicate that radiofrequency radiation has quite definite effects on the immune system of mammals. It then goes on to say there is no evidence that the RFR effects on the immune system of animals reported would occur in humans. Well we need proof before we are willing to be the first of the human population to be exposed to this RFR at a constant level. I'm positive that anyone who has worked on any of this research would never let their family live a half mile of this OTH-B and yet that's what your expecting my family to do.

So once again we want to go on record as opposed to the proposed Over the Horizon Backscatter Radar System for all of Traverse County, Mn.

Sincerely

Joann Conroy

As I stated the EIS also addresses the question of any harmful effects to the central nervous system. The beginning sentence on this topic covered on page 4-79 states, several types of studies have been conducted of effects of RFR on the central nervous system of animals. These studies are considered particularly important in the USSR, where RFR is believed to stimulate the nervous system directly and thereby cause a variety of physiological effects. Yet scientists in the U.S. tend to doubt that RFR interacts directly with the nervous system except under special circumstances. Isn't ironic the USSR seems to show more concern for its citizens and their exposure to RFR than our own government does. At the conclusion of many of the topics discussed on effects to the human body in the EIS a typical sentence states, not likely to be hazardous. Does that sound convincing to you to let entire communities live with this before they can be positive of its effects.

The EIS also states the level of allowable exposure of humans to RFR are lower in Eastern Europe. Indeed, even in the USSR the level of safe exposure is 1000 times less than our countries' level. That is a wide gap and tells me there needs to be much more research before we start to expose the environment to such a potentially dangerous situation.

In the summary's conclusion it states. Significant long-term biophysical impacts from the central radar system construction and operation are possible, but their occurrence depends on the sites selected. Now what does that tell me? Is the site I'm suppose to live next to likely to turn out to have the greatest biophysical impact of the OTH-B system. Also on page 2-6 it states, because only the transmit arrays would radiate electromagnetic energy, there is particular interest in the transmit site and the nature and magnitude of the resulting radiofrequency radiation. Much of our farming operation is involved in the SW transmit study for Traverse County, Mn. Our farmstead is 1/2 mile from the line of the study site. With all this in mind would you be willing to subject your family to the very possible health hazards involved. We are not opposed to this OTH-B for selfish reasons. It is our genuine concerns for all of Traverse County and beyond and what the possible effects you address in the EIS will result in for our future generations.

Our government is built on a check and balance system. We demand the Air Force check out all possible health effects and the usefulness of this already outdated system before you impose it on the general public. For humanitarian reasons this should not be allowed anywhere in the Midwest unless in a very remote area. After all that was the advice the Air Force suggested in the placement of this project on the east and west coast. Why has that suddenly been overlooked? The way the Air Force has tried to push this over on us has left us without respect for those who have proposed it and is in very serious question as to what the real intent is here.

I strongly believe national defense is not the first motive here. If it were why has it taken this long to be proposed. This was developed in the 70's with a probable life span of 20 years and we have been told it would not be put into full operation until 1994. Common sense tells you our money and energy could be spent much wiser in a much more long term up to date program.

I have not even begun to mention what serious consequences this will have on family farms that have been passed down from generation to generation. What the land means to us as stewards of the soil. It is our God given right our constitutional right to have the pursuit of happiness. Stop this now before you destroy much more than you will ever gain. Patriotism is a strong element in the success of a nation. By destroying it what will you gain.

DOCT 06 1968

In Opposition to the OTH-B Radar Site

I oppose this Radar site because it is taking a lot of peoples livelihood away from them that will make these people either move to town or re-locate in which they will not be fully compensated. What jobs would they qualify for? Especially when the unemployment lines are already long in duration. It will also interrupt our hundred radio's that will also be a negative factor in our area. We rely on the weather forecast which are necessary elements in making timely decisions on the farm. There is also the entertainment part that will be missed for instance, who would want to listen to "Static" all day. The will also be obsolete equipment in a Six Mile Radius of this site. This is also another negative factor for people who are because the weather forecast gives a long range affect on many factors and people lives. Another point I don't like about this site is the fact that they are going to acquire good farmland. Who would want to sacrifice their whole farm and all for what it'll be given away for peanuts. Also the people around "The Great Woodmen Forest", what will their property be worth? Probably the same as the inside for the simple fact, who would want to be surrounded by a forest. The Radiation off of our people's winter homes for sure and they don't want to be used as a green house. They also have the power of moment of momentum and if you don't cooperate in are unwilling to sell their land. They are going to be paid for the land, which paid for it, as not much. (VET)

The environmental impact statement has more mention about the people than their real needs. That's what concerns me. Don't we have any say anymore in this life "Reason" (Also, we must not mean much more than a statistic to them)

I also oppose the Radar Site because of the fact that this site is already obsolete because the Government has fighter planes that they are currently testing that are proven to be undetectable to this site or the rest of them.

In closing, I would like to say that there are different views that are more suited for this site than this part of the country. The birds "Victims of Circumstance" come to mind. I don't want to be one of the many.

Thank You.
Kathy Tuttle
Traverse County, S & S's

No OTH-B Radar!!!!

I am a sophomore in high school and have been involved in the farming operations of my parents farm since I was old enough to walk. I am puzzled by many things that many of my friends happen in the community. In history class I have been told that there is the land of the free, and that all men are created equal. Why then, are farmers forced to sell their farms, farms, etc. against their will, so a radar can be built?

Also puzzling is why national defense should be accomplished at the expense of a handful of farmers in West Central Minnesota while budgeting the rest of the nation without expense or hardship to them. In fact, I heard in the Environment Impact Statement that our local

town will benefit financially what about the farmers?

I now have four years of experience as a combine operator and one year of experience as a four wheel drive tractor operator. With one farm in jeopardy, I may be seeking a different employer. Why farmer who is lucky enough to escape this situation, should consider me as a future employer.

In hearing talk of buyers and angry farmers, I am worried that there will be a long term negative social impact to the area there is probably a better idea for the radar than in the middle of many farms where hard working farmers live. If the government needs a defense system, why don't they make it a safe one or have some of their own built?

Meeting with the team by the road
 waste flow and develop, I do not
 think that an agency would be
 satisfied as the land was used
 for an hour each, which is going
 to happen to be the best of a long
 time.
 The house is

Tennessee Co. S.E. Site

September 25, 1986
 Duluth, Minnesota 55803



G2, G4, G6, G8

To: Dr. V. G. Brown

Re: For submission to find E. I. S.

From: Duane Foster a resident of Lawrence North

I am a resident of the Lawrence County
 north side and I am opposed to the
 O + H-B nuclear system because of the history
 to your people at our meetings in the school,
 then. I do not believe we need the nuclear
 system to protect our country. I understand
 without this central system we have blank
 spots in front of our east and west side and
 that this system would eliminate these blank
 areas. I also understand that this is a
 type nuclear is already in place and if not it
 could be placed there and cover these small
 areas of concern. I also believe we
 have system in practice that already make
 the O + H-B nuclear system obsolete. I would
 like the following questions answered in the
 final environmental statement.

1. What will be the effects of people being subjected
 to this much radiating radiation?

2. what will be done with the land once the Air Force is done foling around with it?
3. what do you propose to do with the strong electricity that will be in the ground?
4. when will materials be purchased for the project?
5. How many people will be employed from this area?
6. If Air Force people are brought in when will they stay and for what periods?
7. what will be the level of anti-nuclear radiation a person might be exposed on location?
8. How does the level compare to our government standards?
9. How does this compare to the standards of other countries and Russia?

A concerned citizen and taxpayer
Dwaine Porter

Please send me a copy of the Final Impact Statement.

October 1980

Sept 20, 1980

LT. U. G. Brown G2, G5, G6, G7, G8, G9

Below is a message from the President. I am very much obliged to the other B. Andar system. How much do we really know about Andar frequency modulation, and how will it affect people living nearby? Did a taxpayer in looks like a very expensive system for the small amount of coverage it has. And what about station buildings which can trade Andar already? Undoubtedly this system will be outdated by the time of its completion. What will the land be used for after the Andar system is obsolete. In very contrast about the effect on the community. The school district, the farmers who must leave their land and means, the peaking of heads, it seems possible. As if it is in the way. How advanced is landowner, I know the potential economic problems. What about the effect on wildlife? What about the effect on electrical devices. The way Andar is increasing the B. Andar system we have seen the B. Andar used in military operations. The many unexplained questions I please send me a copy of the final impact statement. I will be glad to help.

Thank you,
Dwaine Porter
10/1/80
10/1/80

I am apposed to the O.T. H-B

Radar system

TO LT. V.G. Brown For Submission to final
EIS.

RECEIVED
OCT 6 1986

Dear Sir I am just going to ask a few
questions about the Radar system. I live in North
Tarrant county, and I am apposed to this Radar system.
Will my family have to move. Where will we move. Will my
dad not have a job. What will happen to us. I am in the
fourth grade and I am ten years old. My name is
Wendy Ketter and I don't want to move like it were
I live. So please for all of us people that are
against it so please don't put in I will lose all my
friends and I will have to go to a new school
so please don't put it in.

Wendy
Ketter

RT. 1 Box 4

Tarrant MN. 56063

P.S. Please send me a copy of the
final Impact Statement. Thank you

RECEIVED
OCT 6 1986

September 30, 1986

To: Lt. V.G. Brown

G2, G6, G8, G9

RE: OTH-B Radar System - North Tarrant County

Dear Lt. Brown:

As a resident of Lincoln, MN in Tarrant
County, I am very much apposed to the OTH-B
Radar system. Before any kind of decision
is made, I feel there should be much more
information available to us. There are a few
of the important matters I feel should be
checked into first.

1. Radiation - As the mother of three small
children, I want to know the EXACT effects
it will have on my family. Also, how it will
affect the soil, air + water around the site.

2. Homes + Jobs - Will you be finding new
homes + jobs for the families you will be
moving? For most of the families, farming is
their life! The farm hands will also be losing
their jobs. Just how many people are going
to be unemployed + homeless?

3. Necessity - From what we've been told, the
East + West Coast scanners meet. Why is this
one needed? Considering the cost to the families,
directly related to the surrounding communities,
and each and every taxpayer, whose taxes
will be paying for this, is it really necessary
to build this scanner here now?

*4. Interference with TV and Radio -
Exactly how far will the interference reach?
What are the remaining families to do
with no TV and no Radio?*

*This will be affecting a lot of people
directly + surrounding communities
indirectly and I sincerely believe that this
matter should be given much more
consideration.*

*Please send me a copy of the final
Impact Statement.*

Sincerely,

Mrs Henry Stettmann

001 66 1886

555 E. Lionshead Cir.
Vail, CO 81657
October 1, 1986

HQ Electronic Systems Division
OTH-B Systems Program Officer
Hanscom AFB, MA 01731
Attn: Lt. V.G. Brown

G3, G8

Dear Lt. Brown:

I am writing in opposition to the OTH-B Radar System being installed in Traverse County.

Though I am not currently living in Traverse County, I still consider it home and have been involved in the opposition of the radar system through letter writing and staying updated as to what is happening, because what you decide will directly affect me, my parents, my brothers who farm and their families, and numerous other relatives and neighbors.

I thank God I don't understand your logic in selecting Traverse County as a possible site, because that would bring me down to your level. To take away prime farm land and destroy the livelihood of so many families is beyond my comprehension. Oh, yes, you can say the farmer's would be paid for their land, but at what price. And I personally know the farmers in Traverse County do not want to give up their land for any price. Then after you take their land what are they supposed to do? The farmers who have lived on the land for years and years can't suddenly find a new career at 65 or 70 years old. And the young farmers who just started farming they can't afford to buy land elsewhere and start all over. Besides, most young farmers are taking over for their parents on land the family has farmed for generations. That is a heritage you can destroy and it scares me very much.

Then there are the health hazards. At the September 10, 1986, meeting in Wheaton, MN, Mr. Dahlberg was outlining the hazards. Why was he not allowed to present all of his findings? I think the answer is very obvious; the Air Force didn't want those facts to be known.

In conclusion, I think it would be a grave injustice to install the OTH-B System in Traverse County. The installation, over such overwhelming opposition, would be contrary to everything I've been taught to believe in. We should not have to worry that the Air Force can come in and take our land. Colonel Lee, who has held a couple meetings in Wheaton, MN, has been quoted saying that the radar system would not be located in Traverse County if there was any opposition. He has seen and heard, as no doubt you will also hear, of the great amount of opposition.

Sincerely,

Donna Conroy

G3, G5, G6, G7, G8 9-29-86

Col. James Lee: OCT 6 1986

We feel the Radar Base should not be in Traverse Co. Because:

1. It's a health hazard to humans and livestock.
2. It takes up some of the most productive farm land in the County. ~~People~~
3. It ~~brings~~ ^{brings} up farms as people have to travel many miles around to get to their other land.
4. It puts more tax load on the rest of the County.
5. Children will have to ride the school bus more miles.
6. It will take roads that have just been tarred.
7. It will take G.E.A. electric lines just replaced this summer.

#

8. It will ruin new homes just built.

9. It will take business away from small towns.

10. It will take away trees and farm yards that help prevent soil and wind erosion.

11. It will affect our water system.

12. It will affect the drainage of our other land.

There are just a few reasons why we feel it could be put elsewhere in Minnesota without hurting people, livestock, fish and land.

Please look for a different site.

Vernon Behrens

Opposition to the UH-B Linear Site

One of the many major concerns of our farm is the loss of our field shelter-belt trees especially a full row of JBELIAN which we are in danger of losing to the proposed southeast radar site. Since this is the only Librian arch single-row shelterbelt that we know of in the state of Minnesota, I feel it is a great loss. Single row shelterbelts are the newest concept in field windbreaks. We started experimenting with them several years ago. The experiment was started with technical assistance coming from a horticulturist from the University of Minnesota, Morris, the state extension forester and our local DNR office.

A Siberian larch is a conifer that sheds its needles in the fall. It's a hardy species which can be grown in alkaline soils, even almost any soil. Alkaline soil makes it virtually impossible to grow other conifers. The Siberian larch are very resistant to chemicals used in crop spraying as opposed to deciduous trees, which are currently being used for this reason. In single-row shelter belts, crops are grown very close to both sides of the trees. By selecting and spacing the right species, we hope to develop a row of trees to protect the crop from the wind in the summer. In the winter, they deposit the snow evenly over a long distance on the leeward side of the shelterbelt for snow cover to prevent wind erosion and at the same time provide additional moisture when the snow melts. It also prevents the topsoil from being airborne causing loss of valuable topsoil and nutrients. Growth characteristic of the Siberian larch look like it has great potential for field windbreaks.

The seed stock of the Liberian larch we used came from near the Arctic Circle, which we felt was a plus to make it winter hardy. The trees themselves were grown from the seed source I just mentioned in a North Dakota forest nursery in Northern Minnesota. The only place we could get the trees.

This experiment is unique as it is "one of a kind" as it uses a tree never used in North Dakota which has one only place in the world.

With the construction of the UPH-B health life, there will be 100% of experimental data for our farm and the State of Minnesota; 100% of scenic beauty to an ugly wooden fence; I believe conservation efforts will be set back many years because of the proposed haul life. The Siberian Arch also provide natural beauty as well as a proposed habitat.

life habitat.

Now, if we could develop a strain of rabbits
in force blundered, we would be happy - ~~happy~~
Thank you

Q. J. I. X. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.

CONFIDENTIAL

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar Project in the Thief River Falls
Study area.

[illegible]

Friday, August 22, 1986

'Stealth' fighters reported in training

By George C. Wilson
Washington Post

Washington, D.C. The United States has about 50 F-117 "Stealth" fighters in operational use in a top secret, multimillion-dollar program, according to sources here, Thursday.

Several squadrons of Stealth fighters are hidden in hangars in the Nevada desert near Tonopah, southeast of Reno, to avoid detection. The planes fly at night under the control of the Air Force's Tactical Air Command, which is based at Hurler Air Force Base in Nevada.

There has been speculation that a Stealth fighter has been under development by the Lockheed Corp's air-craft development plant known as the "Skunk Works" in Burbank, Calif., a kind of counterpart to the North American Aviation Co. in

the Northrop Corp. But it has not been disclosed previously that dozens of the planes have been organized into combat-ready squadrons.

The Stealth fighter has one basic purpose, sources said: to sneak up on a target of relatively low radar cross-section. The planes are built to launch a missile or bomb and return home before the enemy radar can detect them. The Stealth fighter was not built to fly as the supersonic F-15 fighter, sources said, and would not be a match in a close-range dogfight with the most sophisticated Soviet fighters.

At night or in cloudy weather, the Stealth fighter has proved to be virtually invisible, and is considered the most effective penetrator in the world for special missions, either with conventional or nuclear weapons, sources said. Successors to this first generation Stealth fighter will have much better performance in terms of speed, range, altitude and

Planes continued on page 1A

Planes

Continued from page 1A

maneuverability while retaining invisibility, the sources added.

Modern plastics and are composites made of materials that absorb rather than reflect radar beams have enabled Stealth aircraft designers to bend the airplane into shapes radically different from those achieved with aluminum and titanium. Radar beams reflect off smooth surfaces, but are absorbed by the rough, jagged surfaces of the Stealth fighter's skin. The Air Force, which originally planned to buy 100 Stealth fighters, now is expected to settle for about half that number because of high costs and other budget demands, according to one source.

The use of the Stealth fighter program is unique. One Defense Department source estimated that it will cost \$7 billion, and that the cost per plane already exceeds \$10 million. The program is a major development cost, but only Defense Department officials considered that such an amount

The Stealth fighter is a derivative of the SR-71 Blackbird, also developed in Lockheed's "Skunk Works" under famed aircraft designer Clarence L. (Kelly) Johnson, sources said. But compared to the SR-71, the Stealth fighter is much smaller, and its wings are not swept back, according to sources who have seen it.

Nevertheless, Air Force officials are excited about the Stealth fighter's ability to penetrate enemy defenses by radar and infrared systems, according to informed sources. Many of the technologies being built into the F-117, however, and all of them will be included in the Air Force's advanced Technology Fighter (ATF) now being developed for the next century, officials said.

Each ATF is supposed to cost no more than \$50 million, a figure that Air Force officials said can be achieved given the experience with the cost of Stealth technology on the Lockheed fighter and Northrop

OCT 0 6 1986

Thurs., June 19, 1986

Minneapolis Star and Tribune

14A

Pentagon to probe reports of papers lost at Lockheed

Los Angeles Times

Washington, D.C. The documents reportedly are tied to Lockheed's highly secret F-117 fighter program. "Lockheed has clearly lost control of their secret program," the Pentagon's top intelligence official said. "We take the allegations seriously." The Pentagon's top intelligence official said. "We take the allegations seriously." The Pentagon's top intelligence official said.

The allegations were mentioned in a letter sent to Weinberger and Lockheed Corp. Chairman Lawrence Johnston. The letter was sent by Rep. John Dingell, D-Mich., chairman of the House Energy and Commerce Committee and of its subcommittee on oversight and investigations.

Dingell, writing to Johnston, said a Pentagon report "found hundreds of secret and top-secret documents, reports, plans, photographs and other materials that were missing or unaccounted for" in a major classified program of the California division of Lockheed Aircraft. That division, headquartered in the Los Angeles

The documents reportedly are tied to Lockheed's highly secret F-117 fighter program. "Lockheed has clearly lost control of their secret program," the Pentagon's top intelligence official said. "We take the allegations seriously." The Pentagon's top intelligence official said.

Pentagon spokesman Robert B. Stone said Weinberger had received the congressman's letter and had asked the Pentagon's top intelligence official to conduct a prompt investigation. "We take the allegations seriously," Stone said.

Bob Skayman, corporate director of public information for Lockheed Corp., said the company had no comment.

The report on Lockheed comes after the discovery last year that classified documents were missing from General Dynamics' Comanche Division in San Diego. That unit's Pentagon contracts were temporarily suspended while applied security procedures were put into effect.

Sept 28 - 1986

G3

DOJ 46 1008

Attn: H.E. U.S. Brown

We are Tennessee county farmers who strongly oppose the Rader site. Why wouldn't we, it may take our lives and livelihood - some of which has been in our family for over 100 years. Some people in Wharton have been calling us quietly and unprompted. I don't really know why they want to keep our homes and farmland. We have some who want to farm - from 22 years old to 70. We have almost enough land for them all to farm. But that's not today's price. So two of them are down to something else for the time being. But our dream is to have them all farm. Now the Rader have us threatening us. Now all we want is to live in peace. I've something was threatening the town of Wharton - taking their homes and businesses. I wonder if they would be better quiet if they fought it, honestly.

They say we are unpatriotic. First I want to point out that their patriotism is in their back pocket. They are looking for profit for their business. What are they not at of the Rader place? But let's talk about who is patriotic. My husband's brother was a pilot in World War II. He was killed in World War II. Our neighbor who went through hell in World War II. That man is a young farmer who stands to lose his farm land to the Rader. His brother in law was killed in Vietnam. My husband and my three brothers were in World War II. Some of these people that are talking about patriotism stayed home and farm. I don't know if you want to farm there very good during that time. I know of the people in Wharton who expect to make money on the Rader place, maybe they wouldn't be talking patriotism.

We have a very nice and healthy environment here - a wonderful place to live, with an abundance of wildlife. Why do you want to take it? We think we live in Rader's country. We would like to keep it that way. Why take prime farmland?

Paul Billington
R.E. 1, Box 9
Summit 56136

DOJ 46 1008

As concerned citizens, we strongly
oppose the location of the Rader
(over the horizon - look scatter) radar
project in the Rader Farm site.

NAME	ADDRESS	PHONE
Chris Barnham	28935 Oak Lane, Chicago, IL	257-2714
Harold Edwards	12120 250th St, Chicago	257-5782
John Long	Chicago City	257-6334
John Fisher	Chicago City, Ill.	257-4835
BRUCE WENNBERG	Forest Lake, Minn.	464-5397
Robert C.	CHICAGO CITY, MN	N/A
L.B. Nelson	114 Lakeshore Terrace, Madison, Wis.	
F.L. Nelson	114 "	
Don Zembke	Chicago City, Minn.	257-4546
Jim Shaw	Forest Lake, Minn.	464-6024
David J. McNeil	Chicago City, Minn.	257-2514
Joseph A. McNeil	Chicago City, Minn.	
Tracy Skelley	Paris City, Minn.	

RECEIVED
OCT 6 1986

9-10-86

In order to realize how really desolate the Wheaton area is, one must drive west of the metro area of Minneapolis and St. Paul through Central Minnesota until he reaches the town of Herman. Then continue west on Highway 27 towards Wheaton. While driving along this route, it is not hard to see why the Wheaton area is an ideal site for the OTH-B. There are very few farms being lived on, there are very few trees, and the land is flat enough to be able to see miles and miles beyond one's location. There are no major river systems for providing water in case a factory ever came here. (The Community Development Committee has given this reason for the absence of any type of manufacturing plant- big or small.)

It is reasonable to assume that most of the people living in the town of Wheaton are ready to welcome the OTH-B but are reluctant to speak out because of boycott threats from the farmers. This, when in reality the farmers shop elsewhere in larger towns, anyway. It seems greedy on their part to attempt to prevent the installation of this much needed radar system. The town people feel that they could prosper from it and even see some type of progress in poor old, tired, dead Wheaton.

It would be a shame if the Air Force had to find a different site which could be less efficient for the installation of this base. It would also be unfair to the town of Wheaton to lose this opportunity because of a few disgruntled farmers who go south for the winter, anyway. On behalf of many others holding my philosophy, this writer casts a vote FOR the OTH-B INSTALLATION IN THE WHEATON AREA. Thank you.

(Dolores Peterson)

RECEIVED
OCT 6 1986

Head Electronic Submarine Division
OSD/H-B Systems Program Office
Attn: Lt. W. L. Brown
Hanscom AFB, MA 01731

Dear Sir:

G2, G3

My name is Lita Heller and I live in the sixth grade. I live in Litchfield Minnesota, that's about two miles east from where you'd like to put the OTH-B Radar System. First of all I am opposed to the Radar System. I do not need this Radar System. I'm next to an airport on Military Avenue. I've read many books about them and have many models of them. For safety in the air, fighters and bombers are coming to radar. Sooner or later the Soviets will find out about the stealth just like the F-15, so they'll have one too. I live in a beautiful area. I don't think you should put anything in there. I don't want you to put anything in there.

Oct 1, 1986

Dear Mr. Brown,

This letter is in strong protest against the AFB desire to put up radar stations on our farmland. Please don't allow such a thing to happen. There are many things in jeopardy. There is no way that you can expect people to give up their homes & farmland - and in some cases have been in the family for generations. You people can't be allowed to do this to people that have dedicated their lives to putting food on your table. I hope you have given it great thought as to what something like this will do all as our future.

Sincerely yours,
Mrs. Stanley Zeger

put it some place else. There is the worlds richest land, why put it here? This land & potato is going to destroy the richest land in the world. It will pollute the rivers that flow into Canada. You don't want Canada to become our enemy do you? This thing might kill some of us. My father has to depend on the farmers to put bread on the table. If we ever have to use this there will be a war anyway. If your really representative then you'll listen to all these letters.

Sincerely
Lyle Nelson

P.S. Please send me a copy of the final Impact Statement.
Thank - you

Oct. 1, 1986

G4, G6, G8

RECEIVED
OCT 1 1986

Dear St. Barn,

This letter is in protest to

the AFB desire to place radar
detectors on Minnesota farm land. I
can't believe what you expect farmers
to put up with. How would you like
to have someone come + tell you that
you are going to have some detector
put in your back yard + you
have no say about it.

What will it do to their
land value? What about long term
effects on our health, wildlife +
ecology. Will this eventually become
a nuclear waste dump?

I for one speak against it
+ hope that they will see it would
be a long mistake. Please give the
farmers a break + leave them land
alone! We need to stand together
+ protest what little we have left
of our precious farmland + wildlife.

Sincerely yours
Mrs. Joyce Wilson

RECEIVED
OCT 1 1986

Sept 24 1986
G6, G8

Dear Ed:

I think this is awful. It
come and put radar bases in
Thomase County. The land values
will go up. But real estate will
go sky high and don't say no. Our
children that are farmed and near
by will have to leave. Here. I
think you are getting like in Germany
where Hitler rule every thing. Need
a legend to avoid also health
and the good land which we all
know is in the best. Also this
system is going to be a waste to
land and also tax dollars.
Other people that going to suffer
is friends to me. But not too
I guess it seems you want to
get ahead of them all.

Yours truly
V.E. H.

(Hurry)

Sept 29, 1986
Tintock, MN
526583

To: Jk. V.G. Brown

Reference: For submission to Federal F.I.S.
From: Voltaire Howard, a resident of
Northern Traverse County

Dear Sir:

My family and I live three miles from the Traverse Area Site of the OTH B Radar System. I am opposed to the OTH B Radar System because of environmental & health concerns and because I feel that it is a waste of the taxpayer's money.

I would like the following questions answered in the final F.I.S

1- Would local residents on the slide of Pm. have any say in what the site will be used for once it was decommissioned?

G2, G3, G8

RECEIVED

Dr. C. L. Brown

[illegible]

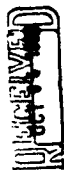
2- How and when was the environmental impact study done? Why didn't the Air Force know Transac never had a large power line running through it's southern end?

3- Where will the Air Force personnel who staff the site live?

4- Of this radar disturbs our CB, radio and TV signals, which are vital to our way of life, what compensations will be made?

Please send me a copy of the final Impact Statement.
Thank you!

Sincerely,
Valerie J Hawes
Rt. 1, Box 52
Tintar, MN 56583



Danoot, Mancoske
September 29, 1986

G2, G3, G8

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt VO Brown
Hanscom AFB MA 01791

Dear Sir:

Let the records show that I am opposed to the proposed radar site being placed anywhere in Transac County and even more specifically in Hanscombs Township. My reasons are these:

I believe the risk of radiation to people and animals, the environment, is far greater than has been told to the public and therefore as I said, I am "nervous". I am concerned that this is not enough. A lot more testing and preliminary work needs to be done before setting up operation in a highly populated area such as this.

I believe the system to be absolutely safe, it is now started and therefore a waste of taxpayer money.

I also oppose this radar base being put here as it would take you home and away retirement from me. After working for for over 35 years I am sure to be displaced, and working business would be taken from me. I am doing my retirement also taken from me. The kind of loss in the business with me and this kind of loss would be taken from them, leaving them without a home and business.

Running this radar system is as necessary as you say - it seems there is a lot of manipulated and unproduced land in this County that could be better used for the radar base than the good, rich land of Transac County. I stand firmly opposed!

Yours truly,

(Print name) Schunhardt
Rt. 1, Box 56

Danoot, MA 01791 56536

See 8. Hanscombsville Township
Transac County, Massachusetts

RECEIVED
HANSCOM AFB, MA

Wheaton, Mn.
Sep. 28, 1986

HQ Electronic Systems Division
OTH-B Systems Program Officer
Hanscom AFB, MA 01731

G3, G6

Dear Lt. V. G. Brown and committee members:

This letter is in opposition to a proposed site near the Wheaton area. Paul has been a farmer practically all of his life. My folks from both sides have deep roots in the soil. We both have been instilled with LOVE FOR THE LAND. We lived on the home place for 21 years until Paul's retirement.

We feel that farming is a most honorable profession. Food must be raised, as all people have to eat. A radar site in this area would take some very productive land out of production. The townships affected would lose their tax base.

We are fortunate in having young farmers with families in those areas where the land would be taken out of production. They are already having problems getting their crops harvested due to too much rain. There are many other reasons why this area should remain farm land.

Very sincerely,

Paul G. Nelson

Myrtle M. Nelson

Myrtle M. Nelson

Paul G. Nelson

Hanscom AFB MA 01731

RECEIVED
HQ Electronic Systems Division OTH-B

Systems Program office Attn: Lt. V.G. Brown

To Lt. V.G. Brown Privet
For Submission to final ETS.

G3

Dear Sir,

I know that we need the Radar System, but I am opposed to the OTH-B Radar System. I know that it is a big deal to you. I may have to move because my dad could lose his job. Campbell is a nice town and I have a cat. My sister has a ruddit and I like to play with it out side. My name is Perry Brown. I am ten years old I'm in grade 4. I like to play sports and I like to kill the birds and you Mike. Kill the birds and I hate that I deal. At Land is the richest soil. You are taking the richest soil from us.

Perry Brown
Campbell Minnesota

G1, G3, G8, G9

My name is Kevin Lichtsinn from Dollymount Township.
My wife and I are opposed to the Radar Site here in Dolly mont township and in Traverse county.

We are concerned about what the effect of radiation will have on our children, now and in the future.

We are also concerned about how radiation would affect the performance of our livestock on our farm, which would directly affect our income. This is a real concern because on page 4-88 of the impact statement it says and I quote, "certain gaps remain in our knowledge of the biological effects of Radio Frequency Radiation." In other words the Air Force is not sure of the systems safety or impact on the environment.

We are concerned about interference with our business band radio system (U.H.F.) as well as T.V. and public radio reception.

We do not believe the Air Force will shut down the system temporarily, as Col. Lee once stated, to allow spray pilots to carry on their operations. The importance of the spray pilots is fully realized when your ground sprayer is belly deep in mud. Being able to spray crops on time is important.

We believe a strong defense system is needed to provide national security. It's vital. Now is this Radar System needed for our national security, how can the Air Force shut down radar operations for weeks on months so aerial pilots can do their job? Something does not make sense.

We are opposed to the Radar Site here because prime farm land would be taken out of production forever. The land can't and wouldn't be changed back the way it used to be. It doesn't make sense to take good farm land that produces food for the world as well as wheat and ruin it forever.

This land produces an renewable resource - food. The Radar Site can not. The Radar Site should be on wasteland.

If by chance the Radar Site does provide a quick buck for a few, what will we do for income 20 years from now when the site is obsolete?

I have enclosed my comments that I had written up to read at the public hearing last Sept. 10. I was not given a chance to be heard, as well as many other friends and neighbors.

At a meeting in Wheaton before the Sept. 10 public hearing, Col. Lee said he would stay (at the Sept. 10 hearing) all night if that's what it took so that everyone could be heard. Either Col. Lee did not mean what he said, or his words do not carry any weight.

I wonder if the way the Air Force handled the Sept. 10 hearing is an example of how we will be dealt with in the future? Do we have no right to speak?

I thought the U.S. Constitution guaranteed the right to freedom of speech. I know you told us to send our written comments to you but writing to you will not have the same impact that being able to speak at the hearing would have had. Evidentially you, (the Air Force), knew that so there was a time limit set to the hearing, so few could speak.

The Air Force does not have the right to step all over civilian citizens. We are people and have rights. We are the people who produce food for you and provide the funds for your incomes. You serve us, we do not serve you.

We have not been treated fairly.
For this reason I will write the Governor of Minnesota to get control of the matter. I'm sure he will help.

sincerely,

Kevin Lichtsinn

Kevin Lichtsinn
Box 69, Rt. 1
Dumont, MN 56236

RECEIVED
SEP 24 1984

Sept 24, 1984
William Hoffman
Campbell MN 56522

Dear Lt. V. G. Brown,
G2, G6, G8, G9
As a Traverser North Site Concerned
Citizen. We are opposed to the
OTH-B Radar System because we
are not sure what kind of an effect
this will have on our health or
our environment. Will the radiation
cause nervous & immune system
disorders? How many families
will have to leave their homes, how
will that effect our school enrollment?
What happens to the wildlife in the area?
What kind of an effect will it have
on electronic apparatus such as TVs, and
two way radio Transmissions? once
absolute will it be a nuclear waste site?

Sincerely,
William Hoffman

G2, G3, G5, G6, G8, G9

007 06 1983

September 30, 1986

CERTIFIED MAIL-
RETURN RECEIPT REQUESTED

Lt. V. G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Re: OTH-B Radar System
FINAL EIS

Dear Lt. Brown:

Enclosed please find the following which should be made part of the
Final Environmental Impact Statement:

1. Sign-up sheet for opponents to OTH-B Radar.
2. Petition from Fitch Township, Traverse Co., Minnesota.
3. Petition from Lake Valley, Traverse Co., Minnesota (2 of 2)
4. Lake Valley Township RESOLUTION published Theaton Gazette 9/22.
5. Petition, City of Theaton, Traverse County, Minnesota.

If you have any questions, please feel free to contact me. My home, my
phone number is, 612-779-6483.

Sincerely,

Harold Courty

enc-5

P.S. I do, because of the time of location which developed after the hearing
started. I am also enclosing the statement of Robert L. Johnson, which he
turned in at the hearing, but which he may have inadvertently failed to
sign. Please see it as a final effort.

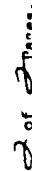
PETITION

We, the undersigned residents and/or landowners in Lake Valley Township, Traverse County, Minnesota, strongly oppose the OTH-B (Over the Horizon-Backscatter Radar Transmitter) proposed for Traverse County, Minnesota.

Dated: September 19, 1986

NAME ADDRESS

Frank Berghman
Walter Wickmiller
Ella Schultz
Helen W. Taylor
Lester Brown
James S. Brown
Theresa E. Schmitt
Arvid Lippke
Ed W. Hultman
Marvin Haggard



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Dated: September 19, 1986

NAME	ADDRESS
Joe L. L. L.	Wharton, Minn 56246
Robert M. M.	Wharton, Minn 56246
Margaret E. E.	Wharton, Minn 56246
Charles A. A.	Wharton, Minn 56246
Carol A. A.	Wharton, Minn 56246
Stephen C. C.	Wharton, Minn 56246
Robert E. E.	Wharton, Minn 56246
William F. F.	Wharton, Minn 56246
William G. G.	Wharton, Minn 56246
Charles H. H.	Wharton, Minn 56246
Donald B. B.	Wharton, Minn 56246
William C. C.	Wharton, Minn 56246
Robert D. D.	Wharton, Minn 56246
Robert E. E.	Wharton, Minn 56246
Robert F. F.	Wharton, Minn 56246
Robert G. G.	Wharton, Minn 56246
Robert H. H.	Wharton, Minn 56246
Robert I. I.	Wharton, Minn 56246
Robert J. J.	Wharton, Minn 56246
Robert K. K.	Wharton, Minn 56246
Robert L. L.	Wharton, Minn 56246
Robert M. M.	Wharton, Minn 56246
Robert N. N.	Wharton, Minn 56246
Robert O. O.	Wharton, Minn 56246
Robert P. P.	Wharton, Minn 56246
Robert Q. Q.	Wharton, Minn 56246
Robert R. R.	Wharton, Minn 56246
Robert S. S.	Wharton, Minn 56246
Robert T. T.	Wharton, Minn 56246
Robert U. U.	Wharton, Minn 56246
Robert V. V.	Wharton, Minn 56246
Robert W. W.	Wharton, Minn 56246
Robert X. X.	Wharton, Minn 56246
Robert Y. Y.	Wharton, Minn 56246
Robert Z. Z.	Wharton, Minn 56246

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Robert Z. Z.	Wharton, Minn 56246

LAKE VALLEY TOWNSHIP RESOLUTION

At a special meeting of the Lake Valley Township Board held on September 19, 1986, the following resolution was adopted: Be it Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Lake Valley Township.

LAKE VALLEY TOWNSHIP

will no longer be suitable for agricultural purposes, resulting in an irreversible economic loss to the landowner. The soil in Traverse County is one of our best resources for the economic strength of our towns and cities. The soil on our land in Dollymount township is especially suited for corn and soybeans and our yields are above the county average. In addition to corn and soybeans, we grow wheat, oats and malting barley. In the Impact Study soils in our county are described as sandy and clayey silt with varying amounts of sand and gravel. There is no mention of the high fertility of the soil for growing corn, soybeans, barley, oats, wheat, alfalfa and sugar beets.

I have been a resident in the Wheaton SE area for 50 years and am certainly familiar with the wild life population there. I have seen the deer population increase in the last ten years. The study of the Wheaton SE area states that the area has few trees and would not be especially attractive to mammals except raccoons and muskrats. No mention is made of the deer population there. According to the Minnesota DNR there is a heavy population of Canada geese in this area, also. This concentration of wildlife would lose its natural habitat if the proposed radar site were located in this area.

I feel that the proposed re-routing and restricting of water flow in the natural waterways in the Wheaton SE site would seriously increase flooding in areas beyond our own county. All this restructuring, grading and sloping would completely destroy the natural beauty of our rural area.

There seems to be a difference of opinion as to whether the OTH-Backscatter Radar would have adverse effects on television, land mobile radio, air to ground radio and VOR air navigation systems. The Impact Statement states on page 4-49 that these are the very systems that might suffer interference from the radar's harmonics. The lower level TV signals

located in the study areas (Wheaton included) would be the ones most likely to experience interference.

In many agricultural operations, including our own, the land mobile radios have become a necessary tool. Radio interference from the radar beam would make our radio systems operate ineffectively, because our radio repeater is located within the area of the Wheaton SE site that would be affected by radar interference.

Radar interference in air to ground radio could result in serious inconveniences and possible accidents for aircraft flying through the radar beam.

I feel the jobs that the Radar Site would provide will be for the highly technically trained only and therefore people from this area would not necessarily be employed at this site. The technically trained people would spend their incomes for non farm services creating loss of business in our community. Many of our local businesses are designed for services and supplies for the farming industry, the major industry of Traverse County. We feel that land values will go down because land located near a Radar site would be less desirable to buyers because of all the hazards involved.

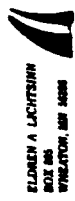
The proposed CRS could very well be obsolete before it is completed in view of the fact that the U.S. already has about 50 radar eluding "stealth" jet fighters fully operational in training in the Nevada desert. This information appeared in the Aug. 22 issue of the Mpls. Star and Tribune but the Air Force still refuses to acknowledge the existence of the "Stealth" fighter.

I feel that a CRS would be a prime target for an enemy aerial attack. We would no longer enjoy the feeling of safety that we have enjoyed, living in this rural area.

For all these reasons I am opposed to the construction of the CRS in Traverse County.

*Gordon H. Peterson
Box 405*

Wheaton, MN 56296



RECEIVED
R70384

Sept. 30, 1986

Alfred J. Keller

Box 150

Taney, Mo. 66583

G2, G5, G6, G7, G8

To: Lt. W. H. Brown

Ref: For information to Final E.I.S.

As a Taney North Site consultant I agree to the OTH-B Radar System because of the loss of a way of life for many families in the community. The loss of the town of the county, Taney, is a school district also the resorting of water towers, drainage, the hamper of the health, hygiene, from radar frequency radiation, which can affect a very large area in front of the antenna. That is the E.I.S. radiation, near, hand on, microwave radiation to not radar frequency radiation. Then, have to have a site, this large built anywhere in the world & there are no long term studies on radiation available.

Later questions the need for such radar when there are stealth bombers that can evade the radar.

I would like the following questions answered in the final E.I.S.

If this radar site is as vital to our national defense why aren't they going to build standby power, as stated in the E.I.S.

if there is a power failure or sabotage of the power lines to the radar site?
Another question I would like answered in the Final E.I.S.

The Air Force stated the radar site has to be here in this area in order to cover the so called blind spots of the East & West Coast radars. My question is how can an airplane get into this blind spot, being it has to travel through hundreds of miles of radar coverage to get there?

Please send me a copy of the Final Impact Statement. Thank you.

Sincerely

Alfred J. Keller

RECEIVED
NOV 24 1986

TO LT. V.G. Brown
For Submission to final ETS.

Dear Sir, I am opposed to the
O.T.H-B Radar System and you will
make us lose a lot of friends and
then we will not get ^{live}
near traverse county. I am 9 years
old and my name is Eric James Carter.
And my school is nears Traverse county
to. and I hope you will put it
somewhere els.

Eric Carter

STEVEN RAGUSE
RR 2 - Box 24
WHEATON, MINNESOTA 55396

RECEIVED
NOV 24 1986

9-30-86
G3, G5, G6, G8

St U. G. Brown
Please Submit these Comments into the final ETS

I am writing in protest to placing the OTH-B

Radar Site in Traverse County for the reasons of

1 Health Hazards

2. poor use of good Red River Valley Farm land

3. Public tax dollars lost and burden on Township and County Taxpayers

4. Negative impact on current ~~State~~ Agricultural drainage
system

A further more protest on personal level as I live, with wife and
three children, close to proposed Radar site and would be forced
to leave our farm which as passed through three generations of
the Raguse family. My best, my heritage and our families stability
lie in this land. Please do not take this from us.

Yours truly,

Steve Raguse
Farmer - Familyman and County Commissioner 5th
District, Traverse County.

P.S. Please Send Copy of Final ETS

Thank you.

17 Oct 86

Sirs:

26 Sept 86

I wish to present to you my strong opposition to the OTTB Central Radar System currently being considered for construction in western Minnesota.

Understandably the Department of Defense has the difficult task of protecting the nation, but should this protection be provided at the expense of a human beings livelihood. I say NO!

I know, only a few insignificant, simple farmers will be affected. But what if one of those few was ~~my~~ your son, daughter, uncle, grandfather or as in my case, parents.

You see, farming isn't a job. You don't go to work M-F. 8:30 - 5:30. It's a way of life. A way of life for my parents, and before them, my grandparents, and their parents before them. So you see NO jobs will be lost. Only lives.

26 Sept 86

I guess what I am trying to impress on you is that it isn't right for a person, any person, even an insignificant farmer whose way of life provides life for other people, to work all their lives for something only to have it taken away because of advancing technology.

Please think again is there an alternative to ruining a way of life? I pray to God there is.

Sincerely,

David W. Kael

RECEIVED
10/10/86

Law Office
MARTIN, NELSON & GLASRUUD
100 EAST SIXTH STREET
P.O. BOX 40
MORRIS, MINNESOTA 56257-0040
(612) 566-1844

JAMES H. MARTIN
LOWELL W. NELSON
CHARLES C. GLASRUUD

*Copies of this document are being furnished
to the various offices of this agency.

October 3, 1986

Vere Vollmers
Route 2, Box 21
Wheaton, MN 56296

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Gentlemen:

Enclosed is a comment of the Draft EIS regarding over the horizon
backscatter radar.

Sincerely,

Theodora D. Economou
Theodora D. Economou

csp

Enc.

G4, G8

OFFICES
MORRIS (612) 566-1844
HANSCOM 208-3278
WHEATON 603-6068

The Draft EIS is deficient in addressing the safety concerns
over exposure of the general population to RFR to be emitted by
the OTH-B radar system.

At page 4.55 of DEIS it is stated that "location of the
exclusion fence would ensure that the highest average power
density would not exceed the 1982 ANSI radar protection
standard". Elsewhere in the DEIS it is stated that this standard
varies for the frequencies of 5-28 MHz from 36 to 1.15 mW/cm² of
power density.

These ANSI standard for power densities are at levels where
significant biological effects have been documented, as noted.
For example in the DEIS at Page 4.84, where it states:

"RFR has definite effects on the immune system at
10 mW/cm² and higher; and few effects have been
detected following exposure at power density levels
of .5 mW/cm².....Some studies suggest suppression
of immune function, some stimulation, some both...."

The DEIS variously states that the average power density
outside the exclusion fence will not exceed .02mW/cm² or .1
W/cm² average incident power density, yet does not state what the
maximum amount of radiation the general public would be exposed
to is, or for what period of time. Moreover, the DEIS
consistently states that there is "no evidence" that the
biological effects of RFR are or would be harmful to humans, and
admits there are gaps in the studies of immunological and
epidemiological effects of this type of radiation. Finally, of
most serious concern are the conclusions in the DEIS, for example
page 4.78, that "studies showing demonstrable teratogenic (i.e.
birth defect) effects following exposure to RFR have involved

145

146

power density levels that are capable of producing a significant heat load in animals. Yet the issue of "what is a significant heat load" is not fully addressed, nor have the studies cited thoroughly researched this. Given the extremely sensitive nature of biological processes--especially fetal development--due to temperature changes, shouldn't the safety of this be thoroughly tested before, not after, the siting process is completed. What assurance to those living near the installation have that, if the radar installation does prove, in the future, to be harmful to humans or livestock, that they will be adequately compensated for their losses? Their is no law for RFR like the Price-Anderson Act which compensates for nuclear catastrophies. The residents would be left only with private lawsuits of the military, and given the experience of those exposed to atomic testing or agent orange such litigation would be a complex, expensive, and protracted remedy for the victims.

In addition, if the ANSI standards for general population exposure to RFR are subsequently reduced (and as noted in the DEIS, the ANSI standards have already been decreased since 1974), will the power output of the transmitter be reduced accordingly? Nowhere does the DEIS discuss mitigation measures to be taken if the population is in fact exposed to higher power densities than .02 mW/cm.², if for some reason the Air Force decides it needs to operate at a higher frequency and power output than normal. In fact mitigation measures are discussed in the DEIS for the protection of birds colliding with the installation, but not for

humans or livestock exposed to any unusual operations or harmful operations.

A number of citizens are concerned with the decommission section of DEIS that any purchased land would be put to federal use. This raises the possibility of use as a nuclear repository, as this all is near to certain DOE sites. Would the Air Force agree in any land acquisition or purchase, to restrictive covenants prohibiting future use of land as a nuclear waste repository or disposal site?

Finally, the section on Risk Assessment in the DEIS is based on questionable assumptions; specifically, that there is the possibility of "human adaptation" to the biological effects of this radiation, and the acceptability of the contradiction of minimum but as yet unknown biological effects--especially on the unborn.

SUBMITTED BY

Theodora D. Economou
Theodora D. Economou

WILLIAMS, NITZ, WREKELBERG & STRINGER
ATTORNEYS AT LAW

W. EARL WILLIAMS
RICHARD F. NITZ
CHARLES A. WREKELBERG
THOMAS M. STRINGER

413 SOUTH MILL STREET
FERGUS FALLS, MINNESOTA 55937
(218) 738-4821
P.O. BOX 351
PELICAN RAPIDS, MINNESOTA 55772
(218) 883-6881

September 29, 1986
Fergus Falls Office

James A. Lee
Colonel United States Air Force
HQ Electronics Program Office
Hanscom AFB, MA 01731-5000

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

RE: Over-the-Horizon Backscatter
Traverse County, Minnesota

A delegation representing citizen-residents of Traverse County, Minnesota, recently consulted with me regarding the U.S. Air Force proposal to construct and operate an Over-the-Horizon Backscatter radar transmission facility in the county which they call home. They are opposed to having such a facility located in Traverse County, Minnesota. They have done many things to become better informed regarding your proposal. They are concerned. They have legitimate questions which, so far, remain unanswered.

I am informed that they, and a significant number of other citizens, along with township officers and elected county officials have notified you in writing and by testimony at a hearing held on September 10, 1986, and subsequent thereto, of the wide spread and deeply felt opposition within Traverse County, Minnesota, to the proposal.

These are people not merely "trees and acres". From your perspective, Traverse County, Minnesota, may appear to be sparsely populated. The three potential sites in Traverse County are not remote from a human population. There are nearly 5,000 people residing in the county.

-Page 2-

You are undoubtedly aware that the final Environmental Impact Statements for both the Moscow, Maine and the West Coast facilities required that the site selected be "remote". That criterion alone is sufficient to remove the three potential sites in Traverse County, Minnesota from further consideration.

I am further informed that the United States Air Force has been provided testimony from qualified persons regarding the effects of radiation upon living organisms (humans as well as game and non-game wildlife) which raises very significant questions concerning health hazards. The final EIS requirement of "remoteness" tends to underscore the legitimacy of concerns over the radiation risks. Please have the appropriate persons review the testimony and other written comments regarding this area of concern.

I note that in the Draft Environmental Impact Statement at paragraph (e) of the cover sheet, last sentence and on pages 6-5 and 6-6, there is indication that the long term effects of chronic exposure of humans to the radiofrequency radiation levels produced at an OTH-B transmit site have not been the subject of any reliable studies. That void also underscores my clients' concerns.

My clients believe that they have participated in your selection process, have become as well informed as available information permits and have continuing significant concerns -- all of which has been effectively communicated to you. Rather than burden this letter with a summary of those concerns, I merely request that the appropriate persons review this information and their ideas, questions and suggestions.

Beyond the general legitimate concerns of these citizens, they have specific information about each of the three potential sites in Traverse County which appears from the DEIS to be either not known to the United States Air Force or not adequately considered by the United States Air Force to date:

Wheaton SW - important wetlands and wildlife area in the Central Flyway, includes floating wetlands; Farmland Protection Policy Act P.L. 97-98.

-Page 3-

Wheaton SE - hydrological problems from the East Fork and West Fork of Twelve Mile Creek; Farmland Protection Policy Act P.L. 97-98.

Wheaton N. - a large electric transmission line runs East-West through this area; Farmland Protection Policy Act P.L. 97-98.

Based upon the relevant information and sound decision making, my clients expect that the United States Air Force will exclude from further consideration the three potential sites in Traverse County, Minnesota, for its OTH-B proposal.

Finally, please consider this letter my request or demand to be provided direct notice of the decision. Thank you.

Very truly yours,

Thomas M. Stringer

Thomas M. Stringer

TMS:jb

4-243

Are YOU AWARE? Are you aware of the many questions raised by the Air Forces proposed Over the Horizon-Backscatter System, in Traverse County. All

landowners in Traverse County and surrounding area hopefully will consider the following questions:

What are your land values going to do? - go down - naturally - go up!

What are your real estate taxes going to do? - go up!

What are your friends and neighbors going to do if forced from their farms? - go down

What are the long term effects of the waves radiating from the system? - go down

What are the health, land and animal hazards? - go down

What are the hazards to your way of life? - go down

What is this system going to work when it is finished? - go down

What is your tax dollars? - U.S. Gov. will have to answer to that

Could it become a nuclear waste dump in the future? - pretty sure

If you don't like the answers to these questions, write stating your opposition of the OTH-B System by October 6, 1986 to:

HQ Electronics Systems Division - OTH-B Systems Program Officer -

Attn: Lt. V.G. Brown - Hanscom AFB, MA 01731

G2, G4, G6, G8

18 Oct 86

Route 1 Box 47
Wendell, MN 56590
September 30, 1986

G3, G6

HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Maryland 01731

Attn: Lt. V. O. Brown

Dear Sir:

We are writing to express our concern against the proposed OTH-B radar system to be located in North Freverie County. We are opposed to this installation because the proposed site is on prime agricultural land. Our country needs a strong defense, but it can not afford to lose prime farm land. We kind can create defense systems, but it cannot create more farm land. Defense systems come and go, but prime land is not so plentiful.

Secondly, we are opposed to the placement of this system because we are in the cereal crop raising business. This proposed site is situated in the heart of our service area.

We would like the following questions answered in the final EIS:

1. Why is the proposed site on prime farm land?
2. Does the installation of this system render the site useless for future productivity?
3. How would we be compensated for the loss to our business if the system is installed?
4. What are the rules and regulations imposed on aerial operations around such a proposed site?
5. Why are we proposed users for this site by the U.S. Air Force and/or the U.S. government after the system is obsolete?

Thank you for giving this correspondence your time and consideration. We will be looking for your communication to us in the near future with answers and comments to our questions.

Please send us a copy of the final impact statement. Thank you.

Sincerely,

Jim Wiegand
Ray Wiegand
Jim and Ray Wiegand

Copies to:

Rudy Persch, Governor
State of Minnesota

Senator Dave Diershauer
U.S. Senate

Rep. Vin Weber
U.S. Congress

Senator Rudy Roachwitz
U.S. Senate

Senator Charles Burr
Minnesota Senator

DEC 18 00 86

Barclay, Mn -

Apr. 16, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
ATTN: Lt. V. O. Brown
Hanscom AFB, MA-01731

Dear Sir:

I am saying "No" to the Radar Site in Tannum Co., Minnesota.

But you think we would like to live a life that has intended for us to live rather than live others who don't know what happens to our loved ones, our homes, our land and the air we breathe?

Do consider and think about this matter which is very serious. Don't take away our American dream.

Though the Lord knows everyone's needs, He wants to know that I care, I do care. - And that, for me, is prayer.

A concerned person who believes in God -
Mrs. Helen Hansen

RECEIVED
18 OCT 86

G4, G6, G8

September 29, 1986
Charles and Valeria Hegel
Rt. 1 Box 105
Tenney, MN. 56582

Hearing Officer
H Q Electronics Systems Division
PTH-B Systems Program Office
Wanscom AFB, MA 01731

Attention : Lt. V. G. Brown

Sirs:

We as Traverse North Site concerned citizens are opposed to the OTH-B radar system because of the health hazards, agricultural upheaval and loss of state and local revenue it will bring to our state.

I would like the following questions answered in the Final EIS.

How many families will want to or have to move?

What will their livelihood be if they are uprooted from agriculture?

Will they be retained for other jobs at government expense?

What adverse effects will this OTH-B Radar System have on our health?

There are many more concerns also which I am sure you are aware of.

Please send me a copy of the Final Impact Statement. Thank you.

Sincerely,

Charles Hegel
Valeria Hegel

115

G8

RECEIVED
18 OCT 86

Sept. 23, 1986

Attn: Lt. V. G. Brown

I am writing in regards to the possibility of any OTH-B radar system being constructed in Dollymound Township in Traverse County, MN.

Our prime farm land should not be used for this purpose. We do not plan on buying now or in the near future. And even if we did, our land would stay in the family and remain productive for many generations to come.

I do not believe this system has been proven to be safe. There are too many unanswered questions as to the effects on human health and also the environment.

Therefore, I strongly oppose the construction of any OTH-B radar system in this area.

A concerned citizen,

Paul Beckme
RR 1 Box 101
Wadena, MN 565296

G2, G8

RECEIVED
NOV 20 1960

Dear Sir:

I am Shaw Haddley, wife of Nigel Haddley and mother of two girls and two boys. We live on a dairy farm in Ballymonee townships, section 14, which is in or near the Abasco LE sheep area.

The farm has been in our family for two generations and happily for many more generations to come. We have invested many thousands of dollars to continue to build the farm up so that it would be a profitable operation to hand down to our children.

I have deep concerns as a mother. There is NO GUARANTEE that the health of our children will not be affected years from now. The E.D. seems to enter great concern our wildlife, but what about my children? You say we don't have to worry, but what are all of your entries to the north of the ridge and some to the south? Would it be the intention to be being involved?

(2)

There also is NO GUARANTEE that once the government has control of the land, that in a few years they could not have a nuclear dump site. What a risk considering I would not want my children exposed to.

Our children have taken out their own loans to get involved and have investments in our dairy operation. They must work by and with us starting at 5:00 a.m. and again after school until 7:00 p.m.

It means of our financial position and the possible financial position of the next generation, they could have everything that they have worked for since age 5, if five or more years from the word there a group that there are added applied to a majority of the colleges added would be sending to our future in the dairy business.

I have invested your thousand for the site selected and put it in a low risk investment and you really feel that money must be to be invested for a period that

+

St. Ball's Church
Tintah, Minnesota 55053

RECEIVED
NOV 1986

30 September 1986

G1, G2, G4, G6, G8

Hearing Officer
HQ Electronics Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Attn: Lt. V.G. Brown

Sirs:

I am writing to express my grave concerns regarding the OTH-B System Radar Transmitter proposed for Traverse County of Minnesota. I am opposed to having such a site placed on any of the three suggested sites in Traverse County. The following questions are of great concern to me and have not been satisfactorily answered:

1. Is the Air Force sure that such a system is needed for the defense of our nation given the technology of Stealth aircraft and given the short life-span predicted of the OTH-B System Radar Transmitter? By your own admission the System will be obsolete in less than twenty years. Also, will such a system be able to detect aircraft that has Stealth capabilities?
2. Why was so little notice given to the residents of the area? Why was the Air Force not here sooner to explain to us the importance of such a system? Why was the public hearing held on 8 September 1986 permitted to close before all public comments were made with no opportunity for another hearing?
3. Have studies proven that the system's environmental and health impact will be minimal? What method or criteria have been used to determine its safety? Does this criteria make use of the most recent available technology? Given the health risks of the 'enclosed' area around the radar towers, have all other health risks been adequately determined? Since there are no long term studies addressing this question, is it prudent or even wise to take the risks that might be involved?
4. One argument used in favor of the proposed system has been that their will be an economic advantage to the area. Considering the possibility of more jobs in the area, have you factored in the number of jobs lost to the area because land has been taken out of production? What will be done to recover lost tax revenues?
5. Once the system is no longer of any use to the Air Force, what will become of the land? How do you propose to obtain the land, especially if some residents refuse to sell? What do you propose to do to help those who are displaced because of this system?

(7)

may already be obsolete because of the stealth fighters expected in training according to the Pentagon state.

Sincerely,
William F. Fiedler
Lt. V.G. Brown
Hanscom, MA 01731 56296

As pastor of one of the local Catholic communities, I must protest the Air Force's gross irresponsibility in dealing with lives and livelihood of the residents of Traverse County. Failure on the part of the Air Force to adequately address all questions and concerns of all involved is a neglect of duty. To sacrifice the trust of people in the name of national defense is a mighty high price to pay. I have become aware of the gross injustice done to the people of this area. As a result, I believe that the opportunity for rational discussions on the proposed system is put into jeopardy.

I respectfully request that this letter be placed in the official testimony being taken on this project. I likewise respectfully request that my questions be addressed and answered.

Please send me a copy of the Final Environmental Impact Statement. Thank you.

Sincerely,

Eugene Doyle

(Rev.) Eugene Doyle, Pastor
Church of St. Gall
Tintah, Minnesota 56583

Copies to:

Rudy Perpich, Governor
State of Minnesota

Senator Charles Berg
Minnesota Senator

Senator Dave Durenburger
U.S. Senate

Senator Rudy Roschvitz
U.S. Senate

Representative Vin Weber
U.S. House of Representatives

RECEIVED
AUG 29 1986

September 29, 1986
Tintah, Minn. 56583

G3, G8

To: Lt. V.G. Brown

Reference For submission to Final EIS

From: Donald Bullis, Resident Traverse North

As a Traverse North site resident I am opposed of the OTH-B Radar System because I feel it would be a health hazard and it does not belong in a good agricultural area so heavily populated.

Sincerely,
Donald Bullis

Box 7

Tintah, Minn. 56583

RECEIVED
19 OCT 86

September 24, 1986

G8

IN ELECTRONIC SYSTEMS DIVISION
OTH-B SYSTEMS PROGRAM OFFICE
ATTN: LT. V. G. BROWN
HANSCOM AFB, MA 01731

RE: OTH-B proposed radar transmitter in Minnesota

Dear Lt. Brown:

We would like to go on record as opposing the proposed construction of the OTH-B radar transmitter in Traverse County, Minnesota. We are landowners and farmers in the proposed area.

We feel the health questions and environmental concerns and questions ~~remain~~ remain unanswered.

Sincerely,
John Hays
John & Clara Hays

RH# 1 Box 19
Chokio, Mn. 56221

RECEIVED
19 OCT 86

10790 Ravenna Rd. #302
Twinsburg, OH 44087
October 1, 1986
(216) 425-4626

G3

ESD-SOO
HANSCOM AFB, MA 01730

Dear Sirs,

I'm a software engineer currently living in Twinsburg, Ohio. I spent the first 20 years of my life on a family farm in Traverse county Minnesota. My father and my uncle still own and work that same farm today as they have for the past 30 years. I am writing this letter to express my disappointment and disbelief that the Air Force and the U.S. government would be considering Traverse county as the location for the OTH-B Central Radar System.

Traverse county is at the southern end of the Red River Valley. The land in the Red River Valley is probably some of the most ideal and productive farm land anywhere in the United States, if not the world. I find it very hard to believe that the U.S. government would want to do anything which would take this land out of production. I'm sure land more suitable for a radar transmitter exists somewhere in the North Central United States.

After reading the newspaper accounts of the Air Force studies done on the different areas being considered, I found it very sad that the Air Force would show more consideration for the animals which would be affected than for the human beings who would have to leave their homes. Traverse county is an area of family farms. The people living there have put everything they have into making their farms successful. It isn't just a matter of packing things up, moving to town, and getting a new job. When you've dedicated your life to something, giving it up and starting over just isn't that easy.

All the environmental studies and budget reports way point to Traverse county as the best location for the radar system, but there comes a time when decisions must be based not on studies and reports alone. Sometimes the decision must also be based on what is right. And it is just not right to take away something people have worked their entire lives for. Certainly there must be some other area where the radar system could be built without people having to leave their homes. Please think about this side of the issue before making your decision.

Sincerely,

Gary Keller
Gary Keller

RECEIVED
OCT 10 1986

October 3, 1986

James McChesney
Campbell, MN 55522

G3, G4, G6, G8, G9

Hearing Officer
H Q Electronics Systems Division
PTH-B Systems Program Office
Hanscom AFB, MA 01731

Attention: Lt. V. G. Brown

I am a teacher at Campbell-Tintah Public Schools. This letter is for the purpose of opposing the OTH-B Radar System.

Our local school district stands to lose many students which it cannot afford to lose; also, the county stands to lose many tax dollars which it cannot afford to lose.

Why was this area selected for this project?

The Red River Valley has the most fertile land in the United States. Surely another site could be selected where land that was non-productive could be used.

How do you decide what land to use and what compensation will be made for the land?

Several years ago, land in our area was selling for \$1,400 to \$2,000 per acre. Naturally with the depressed farm economy, values have dropped. Are they paid fair market value or are they forced to sell at today's depressed values?

Are they forced to leave their land if they refuse to sell?

Some of this land has been in their families for generations. Do they have any say, any rights?

Will this have an effect on the whole area with TV reception, etc.?

Will this effect the wildlife in our area?

This is excellent duck, geese and deer country.

What happens to the land and the system being installed if it becomes obsolete (as do most things government undertakes)?

Lt. V. G. Brown
Page 2
October 3, 1986

Will there be any guarantees that the land will be put back in its original state - or God forbid, will it be used as a Nuclear waste dump with no concern for its area citizens?

Most importantly,

What effect can this have on our health?

Surely there is some area where this could be built where it would not effect so many people.

I would like an answer to my questions.

Please send me a copy of the Final Impact Statement.

Thank you.

Sincerely,

James McChesney
James McChesney

cc: Governor Rudy Perpich
Room 130
State Capitol
St. Paul, MN 55155

G8

Junction,

October 6, 1986

RECEIVED
RD Oct 22nd

I am writing to say that I
strongly oppose construction of
a Radar Base in the western area.

I deeply value my life as a farm
wife & enjoy raising my children in
their great environment. I feel that
the site would be harmful to our
health.

Sincerely,

NEW-JAMES Sclaback
RD #1 Box 44A
Bismarck, ND 58136

G3

RECEIVED
RD Oct 22nd

October 6, 1986

Junction,

I strongly oppose the
construction of a Radar Base in
the western, Minnesota area

I want to ask, why do you
feel justified in taking from
Agricultural land away from
farmers, when the farming community
is so threatened now?

Sincerely,

JAMES Sclaback
RD #1 Box 44A
Bismarck, ND 58136

RECEIVED
NOV 10 1986

COURTNEY, SCHWINN & KODADEK

A PROFESSIONAL ASSOCIATION

ATTORNEYS AT LAW

SUITE 300, 400 MARQUETTE AVENUE
MINNEAPOLIS, MINNESOTA 55401
TELEPHONE (612) 338-0441

G8

SAM T. COURTNEY
ASSOCIATE SCHWINN
ASSOCIATE KODADEK

JOHN B. MILLERSON
LAWRENCE R. ALTMAN
W. JOHANN SCHWENKACH
CAROL C. BUEPPAHO

October 3, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Re: Proposed Central Radar System

Dear Lt. Brown:

Our firm represents ICI Top Pork Inc, a Minnesota Corporation, successfully engaged in the business of raising swine near the North Wheaton selection site for the proposed Central Radar System (CRS). Our client has studied the proposed installation and has consulted with a number of its professional advisors as to the effect of the CRS on its swine operation. These inquiries have raised serious concerns for our client.

First and foremost, our client is concerned for the health and safety of its employees and its swine. It is advised that the large amounts of radio frequency radiation (RFR) produced by the CRS could have a deleterious effect on both. Also, the RFR could cause stray voltage to come within the area of the swine. This appears to have been unaddressed by the Environmental Impact Analysis.

In addition, for a successful swine operation, it is essential that it be located in an area of relative isolation from people and noise. The presence of people increases the risk of disease for the swine. Noise and voltage will adversely affect production.

Our client is also concerned about the affect the CRS will have on the water in the area, both in terms of the amount and availability of water and possible contaminants that could enter the water table. These contaminants include not only heat from the RFR, but also other potentially hazardous products that would be stored on the site. It is essential that the water supply remain adequate and safe; the Environmental Impact Analysis does not adequately address this problem.

Lt. V. G. Brown
Re ICI Top Pork Inc.

October 3, 1986
Page 2

Other factors would also result in a decline in the profitability of our client's business.

Because of these concerns and others, our client is opposed to the North Wheaton site as a location for the CRS. The significant adverse affects on our client's operations would likely rise to the level of a taking compensable under the Fifth Amendment to the United States Constitution. The taking would result in considerable damages to our client. It is our intention to vigorously pursue all the protection available and all rights that our client may have available to it, should such action become necessary.

Therefore, on behalf of our client and in keeping the public interest, we respectfully suggest and urge that this location be dropped from any further consideration. Please keep us informed on the status of the selection process.

Sincerely yours,

COURTNEY, SCHWINN & KODADEK, P.A.

Sam T. Courtney, Jr.

STC:JLM:jc

RECEIVED
R 9 OCT 86

G3

Sept. '86

Dear Mr. Brown:
I am a resident of Traverse Co. I live two miles south of Sirtat, west of Hwy. 9. My home is about one mile from the radar site. I also farm about 1800 acres that is in the proposed site. I've been farming for about 12 years. I helped my father from age 8. I plan to farm for many more years. I am very opposed to the radar system, because it is being pushed on us, with not much to say in our behalf. I also think it is a waste of tax payer's money. Some of the best farm land in the state is in the site. It's dangerous to wild life, dangerous to people who live near the site, it would disrupt the nature of our community. It would endanger our livelihood. I think if our country does need this system, a less populated and productive site could be found. Not enough research has been conducted about possible land effects. I would not give up the land. Stop this from happening.

Sincerely,
Lynn H. Brown

G3, G5

Comments on the Proposed CRS, OTHB Radar System
Douglas L. Berg
B.S. Agriculture - Farmer

Address Chokio, Mn. 56221
Traverse Co. Dollymont TwpSp. Sec. 25

RECEIVED
R 15 OCT 86

system has handled the water for many years but if there would be any diversions of the creeks that would put more water in one of the other creeks there would be many washouts of roads, ruined farm sites and water running across the farm land causing erosion and large amounts of soil in the creeks. An example is an area just north of the proposed site. Its principle drainage is a ~~ditch~~^{ditch} system. When the snow thaws in the spring the ditch overflows. There isn't a flood plain to contain the water so it spreads across the whole area. Pic. 8-9 This would likely happen to a diverted creek. Who would pay for the hundreds of thousands dollars in damage that could result. Also on table 4-2 under perennial ponds, there isn't any listed for the S.E. area. I know of seven besides the Lichtsinn goose pond which is in the north west side of the area.. These ponds have wildlife habitat around them for deer, pheasants and other animals of the area.

I am also concerned about the amounts of wildlife that would be affected by the radar site. The farmland provides cover for a variety of wildlife including jackrabbits, gophers, mice and pigeons which are food for hawks and owls that make their home in the area. Some of these are the Marsh hawk, Redtailed hawk and great horned owl. They are also food for the migrating bald eagles, peregrine falcons and thousands of hawks that come through this area.

In addition the small fish in the creeks are food for the snowy egret and blue herons that stand in the creeks fishing for them. These birds fly low to the ground and would be in danger from the radar site. The creek is also home to nesting geese and ducks that need the water for their offspring and themselves.

I am opposed to locating the OTHB Radar System in Traverse county of Minnesota and specifically opposed to locating it in the proposed S.E. area of Traverse County. In reading through the Environmental Impact Analysis I find comments about the S.E. study area that are very alarming. Page 4-10, Sec 4.3.2.7. reads as follows: (Because minimal grading and relatively minor alterations to the drainage pattern would be required, impacts on the water quality would be small.) It also notes in the statement that the creek would have to be culverted or rerouted in the S.E. Area. It is quite apparent the person making this statement has never looked at the creeks and drainage system. The twelve mile creek and its east and west branches carry large volumes of water in the spring and throughout part of the summer. The creek system is more like a river in the spring, draining a large area from five miles south of Johnson, all the way from Chokio on one branch and Donnelly on the main creek. I believe it would be impossible to try and successfully reroute one of the creeks or culvert it without creating a drastic change in the drainage system of the S.E. area. There would be massive amounts of earth to move because the flood plain area along these creeks in some places may reach one eighth of a mile, with a drop to the creek bed of eight to ten feet. Pictures one through four show some of the creeks in the spring. Pictures five through seven show the debris consisting of trees and rushes that is left on top of culverts. This debris is left when the water level finally drops and also shows that the culverts are filled to capacity and sometimes run over the roads causing a washout in the road. Other problems found in culverting these streams are icejams that block the culverts, damming up the water behind them. The trees also have a tendency to block them. I remind you that this drainage

3.

Wood ducks nest in the trees along the creeks and fly low along the creeks. The S.E. area is a fly way for the ducks and geese between the S.W. area of Traverse and the Fishlake wildlife area located about five miles east of this area.

I am also submitting pictures No. 10 that show some of the swans that use this area in the spring for about two weeks. They stop here on their migration route for rest and food. There are thousands of them plus many more ducks and geese.

The last subject I'll talk about is the type of soil in the Wheaton S.E. The farms in this area raise some of the best crops around because of the proper rainfall, soil types and farming practices. The predominant soil types according to the Soil conservation service data are Glyndon, Croke, Beardon, Doran, and Wheatville. The S.C.S. has other data that compares the expected yield of a crop to the soil it is grown on. Comparing these two charts proves we do have some of the best soil in the county to raise our crops on.

In conclusion: The radar site shouldn't be put in Wheaton S.E. because of the vast problems associated with trying to divert or culvert the streams, and because of the numbers of wildlife living and migrating through the area that would be in danger from the radar site and the excellent farmland that would be taken out of production.



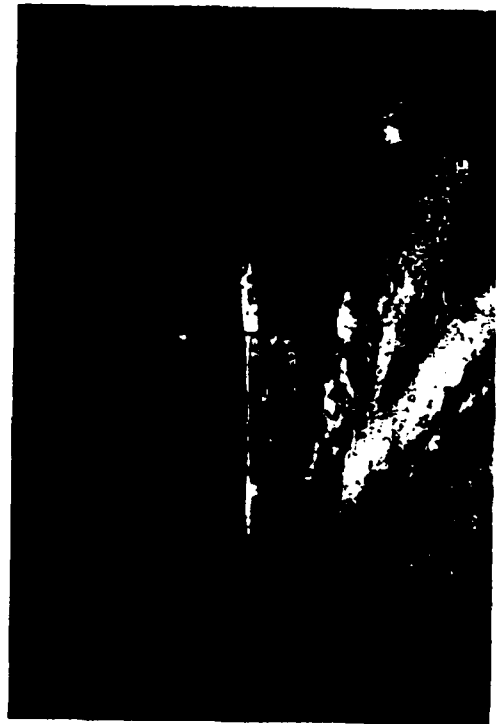
FIG. 1 This is the twelve mile creek in the spring
width approx. one eight mile



Pic. 2 Twelve mile creek



Pic. 3 This is a photo of a small trib. of the main creek.
This branch only drains about 3-4 miles



PIC. 4 This picture shows a road after the creeks level dropped. Water was at least 1-2 feet over this road.



PIC. 5



pic. 7



pic. 6



Pic. 10 Thousands of swans feed and rest in these fields and others in the Wheaton S.E. site area.



6-11-11

Sept. 28, 1986
Wheaton, Minn.

G3, G6, G8

W501810

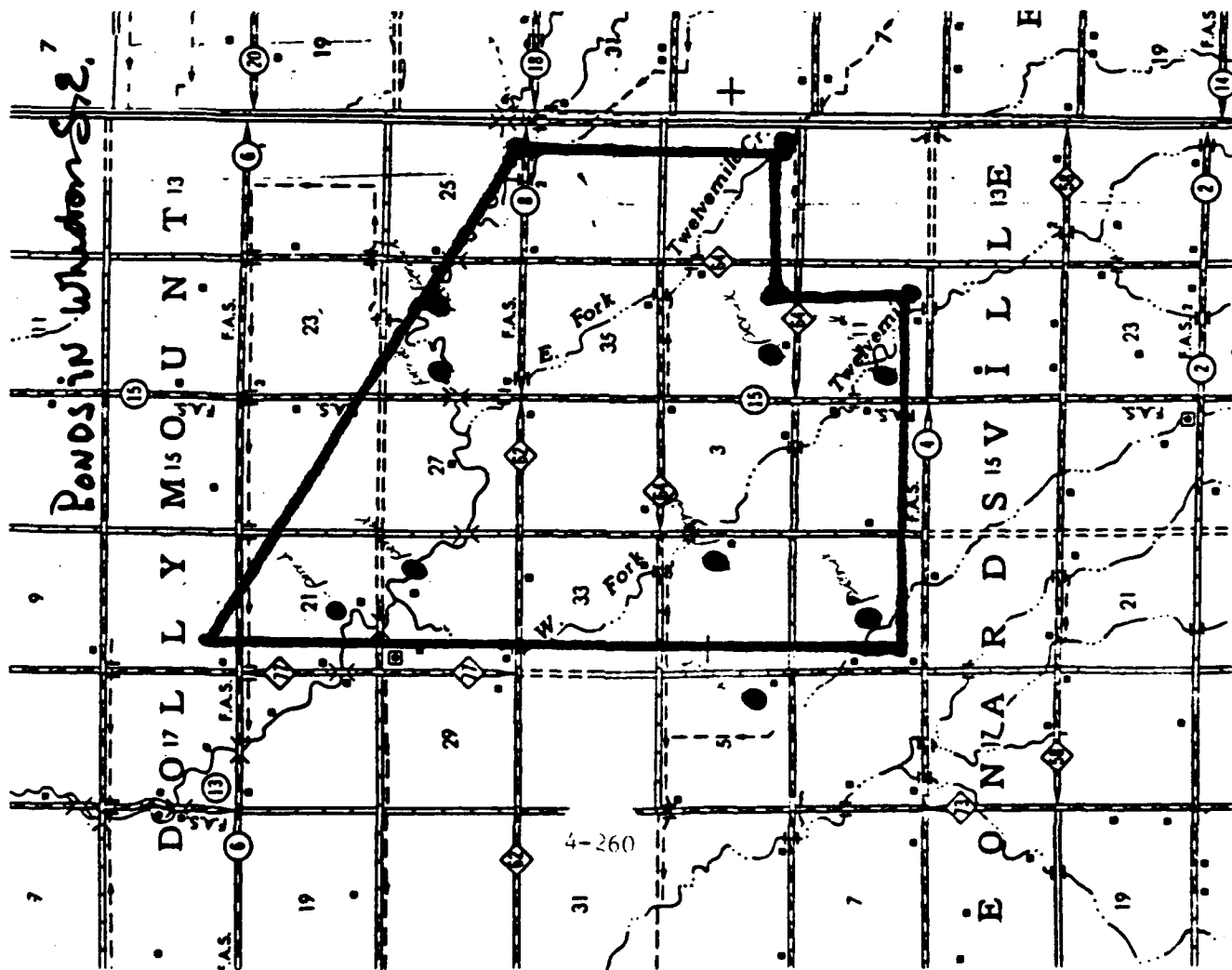
Lt. V. B. Brown,

I feel strongly that it would be a terrible mistake and injustice to the community involved to build the proposed OTH-B Central Radar system in the Wheaton, Minn. Area.

I would ask that the people who make the decision would actually come here and view the wonderful farm land and community they would be ruining.

It would be a terrible hardship for many many farm families who would have to move because of the health hazard.

over,



And what would our land be worth near the area?

Certainly there is poor land and less populated areas where the OTH-B Central Radar system could be located.

I ask the industrial Committee

to pass a resolution opposing the OTH-B radar system being built in the wheaton area.

Sincerely
Leona Behrens
Wheaton, Mo. 64606

119

Air Force

G3, G8

Randy Behrens
Box 49
Dumont, MN

I live on the NE 1/4 Sec. 4 Leonardville township, which is within the Wheaton SE site I grew up on this farm. My Dad worked all his life to build this farm, & I hope to pass it on to my son someday. We don't want to give up our farm - We want to stay right here!! We are located on the southern end of the Red River Valley, some of the best farm land in the country. How can the Air Force even think of taking this kind of land out of production?

I am also concerned about the possible health effects caused by radiofrequency radiation. There would be a lot of people, livestock & wildlife affected in this area - or any place else in Traverse County.

Opposed
Randy Behrens

RECEIVED
NOV 26 1966

RECEIVED
15 OCT 1986

G1, G2, G3, G4, G5, G6, G7, G8

Lt. V. G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Dear Lt. Brown:

Re: OTH-B Radar Base, Wheaton N and other Traverse County Sites.

We, the family of Arnes Berger and the late Erick Berger, and current landowners in Redpath Township, Traverse County, Minnesota, would like to go on public record that we STRONGLY OPPOSE the U.S. Air Force building of a Over-the-Horizon Bickscatter (OTH-B) Radar Base on the Wheaton North site, or any of the Traverse County, Minnesota sites.

The starred (*) names would like to receive copies of the Final Environmental Impact Statement.

Sincerely,

*Arnes Berger
201 10th St. No.
Wheaton, MN 56296

*Gordon Berger - Patricia Berger
420 So. 6th
Brainerd, MN 56520

*Gordon Berger - Laura Berger
3450 153rd Ave. N.W.
Anoka, MN 55304

*Cynthia Thrall - Gregory Thrall
1106 Polle Court
Hillman, MT 59105

*Leon Berger
7845 Newman
Arvada, CO 80005

*Lorraine Berger - Dale Hoshelm
4320 E. 17th
Anchorage, AK 99504

*Marcel Conroy - Thomas Conroy
Hte. 2, Box 2
Winton, MN 56506

September 29, 1986

TO BE PUBLISHED IN THE FINAL ENVIRONMENTAL IMPACT STATEMENT
RE: OPPOSITION TO OTH-B RADAR TRANSMITTER PROPOSED FOR THREE
SITES IN TRAVERSE COUNTY, MINNESOTA

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

Lieutenant Brown:

This letter is to voice our adamant, resolute opposition to the OTH-B radar transmitter proposed for Traverse County, Minnesota. We are very, very concerned about the following:

Loss of several farm families; loss of up to 4000 acres of prime Red River Valley farmland; harmful health effects from exposure to excessive radiation; decommissioning possibly leading to a nuclear waste repository; obsolescence in view of the U.S. fleet of the radar-eluding "Stealth" fighters already being used; waterways and roads being rerouted, causing many problems; communications interference; the acquisition of farmland when the farm economy is severely depressed -- farmland which was worth twice its current value less than five years ago; severe limitations on aerial crop spraying in the area, and last but not least, the very credibility of the draft Environmental Impact Statement.

During the course of time since first hearing of the OTH-B installation proposed for Traverse County, we have met with many lies and much deception from the U.S. Air Force. Promises and statements which have already been falsified. For instance:

Lt. Brown
Sept. 29, 1986

Colonel James Lee stated on June 12, 1986, that "hundreds of copies of the EIS" would be available to us at public institutions such as the city hall, library, post offices, banks, the county courthouse. What actually happened is that very few copies were available to our Traverse County residents. We had to call Hanscom Air Force Base to request a copy of such!

Another instance: Colonel James Lee stated on June 12, 1986, at the 2 p.m. meeting with members of the Wheaton Industrial Development Commission and a small group of area landowners that "he will make sure area farmers are talked to to find out exactly what economic impact the loss of cropland will mean to this area if selected." (Quoted from 6/19/86 Wheaton Gazette). The fact is that contact was NEVER made with any farmers and consequently the area farmers had no input into the economic impact this radar installation would have in our rural area. Consequently, this issue was not addressed in the Draft EIS. Stanford Research Institute of California contributed their facts and figures to the draft EIS -- but the farmers of Traverse County, Minnesota, were NEVER GIVEN THAT CHANCE!!

Instance #3: Colonel Lee stated at the June 12th evening meeting that "an aerial crop spraying plane could spray right up to the exclusion fence surrounding each antenna. In fact, an antenna might even be shut down temporarily to allow a crop duster to spray a field that runs right next to the fence." (Quoted from 6/19/86 Wheaton Gazette). The fact is: that issue is not even discussed in the draft EIS. But now, Colonel Lee tells us (at the public hearing at Langford, S.D. on 9/11/86) that an aerial crop spraying plane must stay at least one mile away from the exclusion fence -- this limitation would affect approximately 14,000 acres of Traverse County farmland from being aerially sprayed each year! Quite a reversal!

Instance #4: The prompt adjournment of the public hearing held at Wheaton, Minnesota, on September 10, 1986, at 10 p.m. sharp with

Lt. Brown
Sept. 29, 1986

no previous notice being given was very disgusting as well as unfair. These limitations should have been published in the newspaper or given to the public well in advance of that hearing. I called several times to Lieutenant Brown's office (as my telephone bill will reflect) to obtain the ground rules for the hearing.... but only met with excuses, no answers to my questions concerning such rules. Earlier (back at Wheaton on June 12th) Colonel Lee stated that "we will be willing to stay until the early hours of the morning" to hear what you people have to say" (referring to the public hearing which was later scheduled for 9/10/86). In Colonel Lee's letter addressed to us dated August 18, 1986, he states: "We welcome your participation in the public hearing and ask you to also notify other interested agencies, groups and individuals." This is exactly what we did -- we had 70 people signed up to speak at that public hearing -- but you chose not to hear us through!

Do you possibly know how much you have disrupted our lives by dropping this "OTH-B bomb" on us? Out here in Traverse County, Minnesota, we enjoy the good things that matter in life... clean air, unpolluted water, a beautiful country setting, away from the "rat-race" of the metropolitan areas and their related problems. When you came into our lives six months ago, I didn't even know what an OTH-B or EIS stood for! And now I feel as if you are the people with whom I spend most of my time. I wake up in the morning thinking about you and I'm still thinking about you when I go to bed at night. I want to tell you what you've done to me and my life. Instead of spending time with my family, I am spending hours writing letters and hours on the telephone. We go to meetings two or three times each week and worry about this all the time.

Last Sunday morning in church, we were asked to pray for our friends and enemies. I've been thinking alot about that and have

Lt. Brown
Sept. 29, 1986

been trying to convince myself that you are basically normal people who are just trying to do your jobs. But I wonder how you feel at the end of the day? Do you go home to your families and tell them you've had a good day at work? How does it make you feel to listen to the people out here in Traverse County, Minnesota, telling how you'll be driving them off their farms, out of their homes?

We have a certain quality out here in Traverse County, Minnesota, called P-R-I-D-E! Pride in our farmland, pride in our families, pride in our farmsteads -- it's an Inborne feeling that tells us that we are the deserved caretakers of this productive farmland -- some of the best in the whole country.

There's an old saying by American orator and statesman William Jennings Bryan that sums up what many family farmers are feeling these days:

"Burn down your cities and leave our farms, and your cities will spring up as if by magic; but destroy our farms and the grass will grow in the streets of every city in the country."

Sincerely,

Marilyn Mathias

Mrs. Marilyn Mathias
Route 1, Box 104
TRAVERSE COUNTY
Wheaton, Minnesota 56296

cc: Colonel James Lee
U.S. Air Force
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom Air Force Base, MA. 01731-5000

G2, G4, G8

Wheaton, Minn
4-27-86

RECEIVED
SEP 29 1986

HQ Electronic Systems Division
OTH-B Systems Program Office

Attn: Lt. B. Brown
Hanscom, OTH-B, MA 01731

Dear Lt. Brown:

We are so totally involved in the job chosen as a possible location of the OTH-B site. In 1966, my husband was fatally injured, leaving me alone in the farm with three (11) children. He had purchased 320 acres of land in 1966. The land was in the Wheaton State School and I had to work at the school hospital to make payments as I could pay the land and support my family. Five of my sons are from that land and the remainder of my income from the 1974. I am married - Gerald March. We live and farm on the Wheaton St. site. It's been here since 1980. He reminded the house as we planned to farm here and live our lives out here. - it's one of my sons' farm just outside the fence in the Wheaton St. site. As you see, we are totally involved.

There are other reasons we oppose this facility.

Health - We have had the Bldg, a physician involved - the village with at least two other knowledgeable people have stated there is a definite radiation effect to humans and animals. All the 115 sites in the field believe it will have an effect on the area studies have to be done. In the health of all ages and the children in the system.

1) Security - When would we go to school and we would be in the Bldg. - How would we go for schooling to the village? How would the grade pay for schooling to the village? How would the grade pay for schooling to the village? How would the grade pay for schooling to the village?

2) Security - It is important that we feel there is no amount of money that can compensate us for our loss. This is our life - our experience - How can we put in that? How can we put in that? How can we put in that? How can we put in that?

How can we put in that? How can we put in that? How can we put in that? How can we put in that?

Sincerely,
Mrs. Gerald March
Gerald March

9-28-86

11/15/86

U.S. AIR FORCE

G3, G4, G8

Vicki Behrens
Dumont, MN

I live in the NW 1/4 Sec. 4, Leonardville Township, which is in the Wheaton SE site!

I am a farmwife, and the mother of three children, Kayla-4 years, and twins, Joshua and Melissa, 2 years. Each of these kids love our farm! They help me do the chores for our horse, dog, and cats.

I asked them this morning if they would like to move to a different farm, and the 4-year old said, NO WAY, MOM! That is exactly how I feel!

I have lived in this area for 29 1/2 years, I grew up only 6 miles away from this site! So, I know all the people in this area, and we do not want this area to change! This land is a part of us, and we want to continue making it our home. Last spring we planted some new trees on our farm, and like the trees, our roots grow deeper with every day that we are here! We do not want someone to buy us out and push us off our land! Or putting a Radar Base here, then it will be outdated in a few years, or some waste dump!

I have wandered around this area riding my horse for 25 years. I have seen a lot of beautiful animals growing up here, and the wildlife is incredible. Everything from deer, ducks, geese, raccoons, different kinds of birds, fox, and there was a moose that passed through here last fall! Also, there was fish in the creek last spring. The kids really enjoyed trying to throw stones at them from the road. We spent a lot of time by that creek that you want to get rid of! The kids really enjoyed watching all the wildlife that lives in the creek. Last spring there were two muskrats that were in the creek, I wonder if they will be back next year?

I can't see why you would want to take our land, it is some of the best farm land around! There are many young families trying to make a living off of the land here. Many of them know nothing else but farming. My husband, has been here all his life, and his dad passed this farm on to him so that it would stay in the family. I hope that we can pass it on to one of our kids when they get to that age!

Ten years ago, I was writing a report for a Human Relations class in Tech-School, and one of my dreams was to marry a farmer, like my dad! I did that, and I think that we live on one of the nicest farms around.

From what I have heard, I do believe that the radiation from this base will hurt people. If not now, probably in some generation to come. I want to see some proven facts, that it will not hurt people! Or livestock! Testing radiation on animals does not prove a lot to me in comparison to a human! There has to be more testing done!

-2-

Vicki Behrens
Dumont, MN

Also, I was very mad since the last meeting in Wheaton, on Sept. 10th, with the Air Force. I think that they were very rude to us, and they should have had to listen to everything we had to say. Since, it is our land that is the issue! Everything, should have been said!!

The heart of the matter is, WE DO NOT WANT THE LAND OF OURS TO BE TURNED INTO A RADAR BASE, WE WANT TO KEEP IT!!!!!!

Yes, we are concerned about defense of our Country, but all of this does not add up! If you are going to ruin land, then why are you going to put up something that will be outdated? And why put so many young people out of their homes? Can't you find a little more deserted place to put this!!

Well, this all I have to say. I hope you look a little deeper into this matter, and DO NOT PUT THIS ON OUR FARM!!!!

Concerned!!

Vicki Behrens

Vicki Behrens

G2, G8

15 OCT 80

My name is John Tritz. I live in Sec. 36 of Croke Twp., which is on the western side of the Wheaton S.E. site. I oppose the location of the radar transmitter; not only in the SE site, which is in my immediate area and thus my immediate personal concern, but also in any of the sites in Traverse Co. or neighboring S.D., or anywhere else.

I am opposed on the basis of the practicality of this system. Have we not, in recent years, been sold on the need for huge appropriations for the development of the so called "Stealth Bomber"? If the technology exists today for the avoidance of radar detection, doesn't it seem, that in the time it takes to complete the construction of this radar system, that avoidance technology will have advanced to the point that it makes radar detection obsolete?

I am opposed on the basis of health concerns. In the discussion of the review of literature concerning the RFR effects on human health, (from page S-5, paragraph #3) I quote..."This review does not include any system specific information..." end quote. I ask you, "How can you make a valid environmental statement without any "System Specific Information"?"

Ag'n, quoting from the summary (page S-5, paragraph #4) "Epidemiologic studies performed in the United States and other countries have not provided adequate scientific evidence that environmental levels of RFR constitute a hazard to the general population". End quote. This leaves me to wonder - is there

some evidence that does suggest a health hazard from constant exposure to the RFR and is this evidence not reported here because it may have negative effect on the advancement of this project? Again, we have no concrete answers, only generalizations. Because of these unanswered questions, I oppose the completion of this project which would then use myself, my family and my neighbors as the guinea pigs to provide the answers to these questions.

Because of these concerns, I hereby go on record as being completely and unequivocally opposed to the further advancement or completion of this radar system.

RECEIVED
FEB 16 1965

Dear Sir:

I am writing to you about the proposed site of the solar installation near Tintak, Minn. I have just read in the paper, the article about the OTH-B and the area around it. A few questions came to my mind. Why would the government want to use some of the most productive agricultural land in the world for an installation site?

The land is very productive. On the other hand, it's locality is such, that it suffers from being under water - many springs. Do you people - who have the power to make such decisions, really want an area with significant water problems?

If our nation needs this solar system for defense - then, so be it. But wouldn't it be wiser to find a dryer area, where the land is suitable only for grazing sheep?

Another question, is, why doesn't the government buy land for its developmental purposes and put accordingly for the real estate?

A wise decision might should be given to the future of these families that will be forced off their land. Who will pay for their education? Who will support

their families while they are going back to school?

I hope you will consider all that I have said. I think they are very valid comments.

Respectfully,
Raymond Schubert

SEP 16 1986

October 7, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B radar transmitter proposed for
Traverse County, Minnesota

Dear Lt. Brown:

Enclosed please find the Traverse County Board of Commissioners' Vote To Oppose the location of the OTH-B radar site in Traverse County, Minnesota, which should be published and included in the Final Environmental Impact Statement.

Sincerely,
Steve Raguse
Steve Raguse
Traverse County Commissioner
District #5
Route 2
Wheaton, Minnesota 56296

Enclosure

Upon motion by Raguse, seconded by Escher and carried, the Traverse County Board of Commissioners do hereby oppose the location of the OTHB Radar Site in Traverse County. Voting was as follows--Commissioners Raguse, Escher, Cole and Lewis--Yes. Commissioner Geurts--Abstained. Motion Carried.

Upon motion by Lewis, seconded by Escher and carried, the board adjourned.

Attest: John A. Muelkenbach
Auditor & Clerk of Board
Gerald Geurts
Chairman, Board of County Commissioners

SEP 23 1986

G6

RECEIVED
OCT 16 1986

Tintak Minn
Oct 8-1986
LT. V.G. Brown / Learning Office
HQ Electronic System Division
OTHR System Program Office
Wonscomb AFB, Mass 01731
Dear Sirs

I don't think there should
be a Radar installed in
Our good land area of
Tintak a lot of farmers will
be out of work stop it

Mr Bill Sullivan
Box 56
Tintak Minn 56583

G2, G3, G4, G5, G6, G7, G8

RECEIVED
NOV 8 1986

Sept. 26. 1986
Tenn. Tenn.

LT. V.G. Brown

I am against the O.T.H. - B. radar system.
My family and 3 line and farm in and around the
peaked Tenn. Co. north side. I believe this
prime agriculture land should be used for farming only.
I am concerned about my family's health, the reduction
of land price that may occur near the site, the
blocking off of many roads and drainage problems
that could occur.

I feel the project will be obsolete when completed.
"if not already" I believe cost and most cost sites
are adequate and that the central site would be own-
ing them. I feel this project is only advantageous
to large contractors and suppliers of materials, at
the huge expense to U.S. Tax payers.

Questions:

Will any supplies and materials be produced in Tenn.?

What will the radar site do to my family's health?

What will the air force do this land for after it is

no longer used for a radar site?

I would like to see these questions answered in

the final E.I.S.

There and me a copy of that final statement.

Yogh Brown

Box 115

Tenn. Tenn. 56582

St Brown: 10-2-56
 Could you please read
 this & answer the
 question - possibly an
 ad just like this one
 the answer the better -

We have no problems
 with the reader's and
 would appreciate your
 answering these questions
 to measure those who do.

Thank you
 Barbara Brown
 10-2-56
 56552
THE WASHINGTON GAZETTE

4136 Merrill Lane
 Minneapolis, Minn 55406
 8 October 1956



Mr. V. G. Brown
 ESO/SCO
 Housing Division
 Mine 01731

G3

Dear Mr. Brown,
 We are anxious to form in Tazewell
 County, Minnesota, and completely
 oppose the establishment of an Hll-B
 federal land area in the Hll-B
 area. It is the use of good productive
 farm land, when the area could
 be used. It is not that you cannot
 why land currently owned by the
 federal government in Minnesota could
 not be used for the site.

Secondly, we ask you why the
 proposed site in Tazewell County
 all of different sizes. It doesn't
 seem that a thorough study of
 the needs has been made.

However, the Board of Minnesota
 also opposes the location of the site.
 If it is necessary for national defense,
 we propose that it be located in
 a suitable and fertile land.

Sincerely,
 Anne and Anne Gatz

St. Ignace: 10-22-56
 Could you please send
 this to me whenever the
 questions - possibly an
 ad just like this one
 the cover the letter. —

We have no problems
 with the red water and
 would appreciate your
 answering these questions
 to measure these into do.

Don't know
 Andrew M. O'Brien
 10-22-56
 56552
WATSON GAZETTE

DUPLICATE OF PAGE 4-271

4130 Merrill Lane
 Springfield, Mo 65816
 October 18, 1956

RECEIVED
 OCT 23 1956

Mr. V. C. Brown
 ESO/SCO
 Henson Air Force Base
 Harris 61731

Dear Mr. Brown,
 I am glad to hear
 of your interest in the
 "PAGE" - source for farm in Tennessee
 of the Tennessee and completely
 of the establishment of an old-B
 of the system into in the Clinton area.

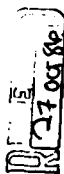
It is apparent the use of good production
 from land, when other areas could
 be used. It is not that you cannot
 why land currently owned by the
 federal government in Tennessee would
 not be used for the site.

Kindly, we ask you why the
 proposed site in Tennessee County
 all of different sizes. I desired
 seem that a thorough study of
 the site has been made.

Governor Ruby L. Bynum of Tennessee
 also opposes the location of the site.
 It is necessary for national defense,
 we propose that it be located in
 currently owned federal land

Sincerely,
 James M. Brown, Secretary

Lt. V H. Brown
E 50/500



Hanscom Air Force Base, MA. 01731

Dear Sir:

I want to say a few words as to how I feel about The Oth-B Radar Base coming in to our area. I'm 100% in favor of it. I can't understand why there has been such a he heads over it. Most people's opinions are swayed by a few big mouth leaders. They don't stop to think things thru on their own. I feel if our country needs this defense system + the best place is here for it, I can't see any reason why it shouldn't be here. (over)

The people that are objecting to it would mind forcing many family farm owners off of their land to grab up another piece of land for their own purpose.

The sad thing about this is, is that so many I have talked to who are in favor of this are afraid to open their mouths because they don't want to get into trouble with their neighbors or such. I know for a fact there are many folks for this and are just afraid to say so. We say so ahead put it here

P.S. We are Sincerely,
Mr. + Mrs. Harry Soranen
land owners
+ family farmers
Rt. 1 - Box 154
Wheaton, Ma. 56296

G5, G6, G8, G9

RECEIVED
NOV 19 1986

OCT. 29, 1986

LT. V. G. Brown

Wheaton, Minn

Dear Sir,

I am writing this letter in opposition to the OTH-B Radar System in the Wheaton Minn. & Travers Co. of Minn. Their are too many unanswered questions about the system, like the loss of Farm Families, Health Hazards, Take the two much land off the tax rolls, Communication interference, roads & ditches will be ruined & cause erosion & flooding. I am opposed to this system in our area.

Yours truly

James M Brown

Rd Box 128

Wheaton Minn 56296

10-21-86

RECEIVED
NOV 19 1986

Dear Sir,

I'm writing to let you know we are opposed to the Backscatter Radar system located in Minn.

Richard Pinner

Danice Young

Box 133 R#2 Herman Minn 56248

RECEIVED
NOV 21 1986

G4, G8

Morcross, Mn.
Oct. 18, 1986

Lt Brown;

We are opposed to having the OTH-B Radar Base located in Traverse County For the following reasons: Hazardous to health, Not enough study done on this : Displacement of farm families against their will: uncertainty of what this land will be used for after the Radar Base is dismantled-----For other reasons we oppose this Base please call us at 612-284-2463.

Yours,

*Wm C. Brown
Lt. Brown*



STATE OF MINNESOTA
Office of the Governor
ST. PAUL 55155

RUDY PERPICH
Governor

RECEIVED
NOV 21 1986

October 16, 1986
Anne and Warren Barts
4130 Morrill Lane
Minneapolis, Minnesota 55406
Dear Mr. and Mrs. Barts:

Thank you so much for your kind letter and for sending me a copy of the Wheaton Gazette! I hadn't seen the story and was pleased to have a copy for my files.

I agree with your assessment of the project. As the story indicated, on October 1, I wrote to the Secretary of the Air Force, Edward C. Aldridge Jr., and recommended that the three sites in the Wheaton area be dropped from consideration.

I told Secretary Aldridge that the proposal generated much opposition among residents and that township and county boards have been unanimous in their opposition to the project.

I am hopeful that if we continue to make our opposition to this proposal known to officials in Washington, D.C., we will succeed in having the sites dropped from consideration.

Again, thank you for taking the time to share your thoughts with me. I appreciated hearing from you.

Sincerely,

Rudy Perpich
RUDY PERPICH
Governor

AN EQUAL OPPORTUNITY EMPLOYER

G2, G3, G4, G5, G6, G8

Lt. U. G. Brown

ESD/SCO

Hancock Air Force Base Mo

Dear Lt. Brown:

My husband, my eleven children and their spouses and families and myself all oppose the construction of the OTH-B in Traverse County, Minn.

There are several reasons:

- 1) Many families would have to leave a "real way of life" as farming is their only occupation. My sons, also my husband, would face this situation. Where would we go? What would we do?
- 2) The health hazards scare me. In as concerned for my own families and all the families within miles of this system. Dr. Dabney has stated positive regards "there where the air force has stated "we don't believe" there are dangers.
- 3) This site - any of the three chosen - would be in populated areas - not a remote site as the air force states "we are a lot of power, as it must be kept as remote as we can possibly get it from people." Are we to be guinea pigs and in years ahead all be affected healthwise by this monstrous system?
- 4) There are many more reasons: ditches, roads, tapes, spraying of crops for weeds, communications - to name some.
- 5) The believe, and rightly so, that this system will be remote before it is built. The U.S. has already aircraft which is radar - standing - other countries certainly had that technology too.

Please - we beg you - let us live in peace in our community of Traverse County -

We trust you will care.

Margaret Fainch
RR Box 644 Dumont, Min. 56236

RECEIVED
MAR 21 1964

I am opposed to having
the Air Force build their

OTH-B Radar System in
Traverse County, Minn.

My telephone No. is 612-284-2261

Paul Carter

Oct. 16, 1986

Dear Air Force Officials:

DECLASSIFIED

I am strongly opposed to the proposed siting of the OT4-B Radar system in the Wheaton, Mo. area. Other less-populated, poorer land-quality sites should be considered. There are too many unanswered questions and too many people affected in this area.

many people attracted to
Look elsewhere for a more appropriate site,
this area is too rich in people who want to be here
and in prime farmland.

Ryan Poole
Wheaton, MI

Dear Mrs. F. week,
Please convey to all
who are involved that
we support you completely,
Mythe Harmon live in
our farm and we
certainly are against the
proposals etc. it would
not satisfy even the
they in the family, as
that this and Margie
can continue to live here
Harriet Ledy
4/30 April 1940
Mm.
April 5-5400

RECEIVED
28 OCT 1969

THE FORT GARRY

G3, G8

RECEIVED
OCT 28 1986

Dear Sir
 I live in Moon Township
 Traverse County near Wheaton,
 Minn. I protest the air
 force Radar transmitter station
 to be here or any where in
 Traverse County. We can not
 give up any of our good farming
 land and I know it will be
 dangerous to our health.

Mrs Vernon Ehlers
 R2 Box 73
 Wheaton, Minn. 56296

October 25, 1986

CERTIFIED MAIL
 RETURN RECEIPT REQUESTED

Lt. V. G. Brown
 ESD/SCO
 Hanscom AFB, MA. 01731

RE: OTH-B Radar Transmitter proposed for Traverse
 County, Minnesota

Dear Lt. Brown:

Enclosed please find the following materials to become a
 matter of record and to be published in the Final Environmental
 Impact Statement:

1. Resolutions from Traverse County townships and City
 of Dumont, MN. opposing the OTH-B Radar;
2. Notice from Traverse County Citizens Against OTH-B
 Radar dated October 24, 1986, regarding petitions;
3. Letter from Minnesota's Governor Rudy Perpich dated
 October 1, 1986, addressed to the Secretary of the
 Air Force, Edward C. Alridge, Jr. opposing the installa-
 tion of the OTH-B radar transmitter in Traverse Co.,
 Minnesota.

I have received Governor Perpich's permission to have his
 letter of opposition published in the Final EIS.

Sincerely,

Mrs. Marilyn Mathias
 Mrs. Marilyn Mathias
 Route 1, Box 104
 Wheaton, MN. 56296

Enclosures

cc: Governor Perpich



STATE OF MINNESOTA

Office of the Governor

ST. PAUL 55155

RUDY PERPICH
Governor

October 1, 1986

The Honorable Edward C. Alridge, Jr.
Secretary of the Air Force
The Pentagon
Washington, D.C. 20330

Dear Secretary Alridge:

The Air Force proposal to locate transmitter sites for the Over-the-Horizon Backscatter radar system in the area of Wheaton, Minnesota, has created controversy and apprehension in western Minnesota.

As your officers have no doubt reported, public hearings in June and September resulted in a strong expression of public opinion in opposition to this project. Citizens voiced their concern over losing prime agricultural land and made known their fears of unknown health effects from electronic transmissions.

I have heard similar concerns in my visits with citizens of the Wheaton area.

Minnesota has a long and proud history of participating in the national defense. But we also have a long history of requiring governments to respect the common-sense wishes of the people.

It is my strong belief that the Air Force should respect the wishes of local communities, when those wishes are clearly expressed. That certainly is the case in the Wheaton area, where township and county boards are unanimous in their opposition.

The people of the Wheaton community have had a chance to study the project from documents provided by the Air Force, and they have come to a strong consensus in opposition to the OTH-B project.

I wish to join them in that opposition, and recommend that you remove the three sites in the Wheaton area from consideration.

Sincerely,

Rudy Perpich

RUDY PERPICH
Governor

AN EQUAL OPPORTUNITY EMPLOYER

NOTICE

BECAUSE THE WHEATON NORTH, WHEATON SOUTHEAST AND WHEATON SOUTHWEST STUDY AREAS ARE ALL LOCATED IN TRAVERSE COUNTY, MINNESOTA, AND ALL TOWNSHIP PETITIONS WHICH HAVE BEEN SUBMITTED TO THE COMMISSION FOR TRAVERSE COUNTY STUDY AREAS ARE IN TOTAL OPPOSITION FOR TRAVERSE COUNTY STUDY AREAS, PLEASE CONSIDER SUCH PETITIONS AS EQUIVALENTLY TRIPLED IN EFFECT. CITIZENS IN TRAVERSE COUNTY ARE OPPOSED TO THE RAMP NOT ONLY FOR THEIR OWN STUDY AREA FOR TOWNSHIP-- BUT FOR TRAVERSE COUNTY AS A WHOLE.

DATED: OCTOBER 24, 1986

TRAVERSE COUNTY, CITIZENS' BOARD

OTHER BOARD

Marybeth Mathis / Rick Mathis

TRAVERSE COUNTY, MINNESOTA

ROUTE 1, Box 104

WHEATON, MINN. 55087

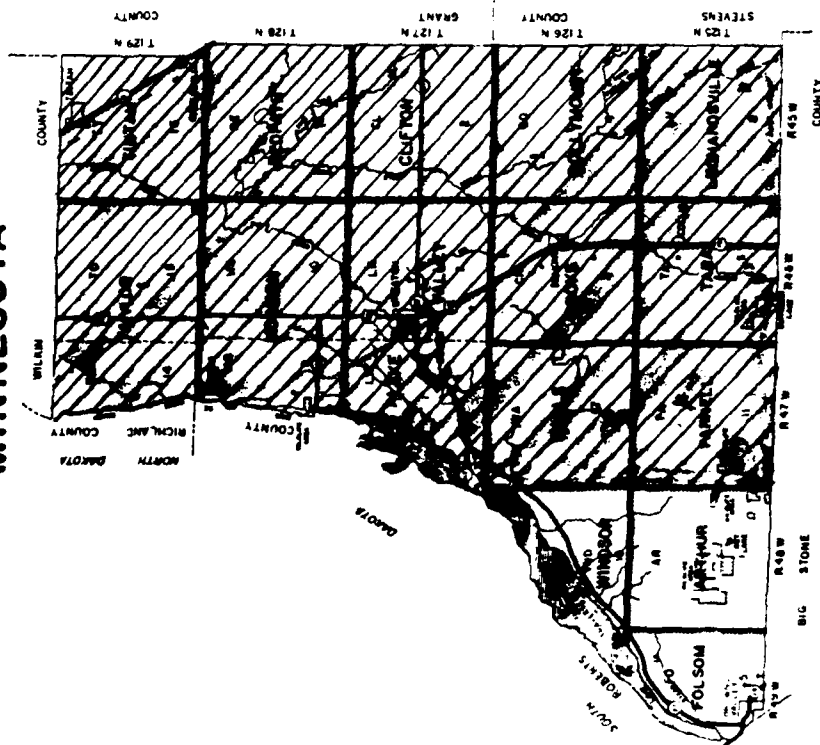
Ken Conroy - Tom Conroy by nbc

TRAVERSE COUNTY, MINNESOTA

ROUTE 2

WHEATON, MINN. 55087

TRAVERSE COUNTY MINNESOTA



OPPOSITION TO OTH-B Radar



TOWNSHIP
RESOLUTION
OPPOSING
OTH-B RADAR
HAS BEEN
PASSED

MONSON TOWNSHIP RESOLUTION

At a special meeting of the Monson Township Board held on October 16, 1988, the following resolution was adopted: Be it Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we oppose the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Monson Township.

MONSON TOWNSHIP

43c

TAYLOR TOWNSHIP RESOLUTION

At a special meeting of the Taylor Township Board held on October 14, 1988, the following resolution was adopted: Be it Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we oppose the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Taylor Township.

TAYLOR TOWNSHIP

43c

At a special township meeting of the Township of Redpath held on April 21, 1988, the following resolution was adopted:

Whereas, a radar station in Redpath Township would result in the potential loss of farm families and prime agriculture land, and;

Whereas, environmentally we find concern with possible health hazards, along with the loss of the aesthetic beauty that the land has, and;

Whereas, we question the economic advantage, for Redpath Township, the surrounding trade area, or Traverse County and we feel the short term use of the actual acreage for this military installation would be greatly outweighed by the long term agricultural benefit;

Now, therefore, be it resolved: That we strongly oppose an Air Force Radar Station within the township of Redpath, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

REDPATH TOWNSHIP

RESOLUTION

Because of concerns about the loss of tax base, drainage problems, alteration of roadways, and possible health risk to its citizens, the Board of Tintah Township has resolved not to allow the construction of the Over the Horizon Transceiver Site within the boundaries of Tintah Township.

Reginald Hawes, Clerk
Tintah Township

43c

LAKE VALLEY TOWNSHIP RESOLUTION

At a special meeting of the Lake Valley Township Board held on September 18, 1988, the following resolution was adopted: Be it Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Lake Valley Township.

LAKE VALLEY TOWNSHIP

43c

RESOLUTION

At a Special Town Meeting of the City of Dumont held on May 8, 1968, at 8 p.m. the following resolution was presented and adopted:

Whereas a Radar Transmitter Station near the City of Dumont would result in the loss of several farm families which would be an economical hardship for the City of Dumont. We, the people of Dumont, do support a national defense system, but we also question the short term use of the Radar Transmitter Site versus the long term effect of the loss of prime agriculture land and farm families. We strongly urge the Air Force to choose an alternative location for the Radar Transmitter Site.

Whereas environmentally we are very concerned about being near excessive radar radiation which possibly could contribute to the surrounding soil and water, blockage of surrounding roads, restriction of drainage and possibly communications interference; and being a military target.

Now Therefore Be It Resolved: That we strongly oppose an Air Force Radar Transmitter Station near the City of Dumont or anywhere within the County of Trierens. Also we prohibit the destruction of agriculture land for any reason other than roads, ditches, residential or agricultural development.

CITY OF DUMONT

RESOLUTION

At a special township meeting of the Township of Pannell held on May 1, 1968 the following Resolution was presented and adopted:

Whereas, a radar transmitter station in Pannell Township consisting of approximately 4000 acres would result in a loss of several farm families and 25% of our township's agricultural land and;

Whereas, environmentally, we are very concerned about being a military target, being near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights;

Now, Therefore, Be It Resolved: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Pannell and we prohibit the destruction of agriculture land for any reason other than roads, ditches, residential or agricultural development.

PANNELL TOWNSHIP

19c

RESOLUTION

At a special township meeting of the Township of Tare held on May 5, 1968, the following Resolution was presented and adopted:

WHEREAS, a radar transmitter station in Tare Township consisting of approximately 4000 acres would result in a loss of several farm families and 25% of our township's agricultural land; and,

WHEREAS, environmentally, we are very concerned about being a military target, being near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights; and,

WHEREAS, economically, we are concerned that our land could be condemned, leaving farmers to sell out during a depressed period, which sale would result in a loss of tax revenue; and we question if the economic advantages for our local businesses and job opportunities would be justified, considering the burden to our township and that the construction costs would leave their own employees, with housing being built at the proposed site, which site could become obsolete in the near future.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Tare and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

TARA TOWNSHIP

19c

TOWNSHIP & CITY RESOLUTIONS OPPOSING OTH-B RADAR
PAGE 3 of 4

March 11, 1968

At the annual township meeting of the Town of Clifton, held on the above date, the following resolution was presented and adopted:

Whereas: A radar station in Clifton Township would destroy 10% to 15% of our tax base and would create an additional burden on a small unit of government, (such as roads, drainage, ditches, garbage, security, etc.), to be paid for by the remaining tax payers; and;

Whereas: It would take highly productive land out of production, when it could be placed in an unpopulated, unproductive area and when completed there would be fewer jobs than from the production of that land, when considering the producing, processing, marketing, etc. of the product; and;

Whereas: It would cause interference in television, radio, especially business radio and create a target in an agriculture developed area; and;

Whereas: It adds to the cost of education and welfare, which the local support heavily falls on agriculture land.

Now Therefore Be It Resolved: That we strongly oppose an Air Force Radar Station within the small Township of Clifton.

CLIFTON TOWNSHIP

WALLS TOWNSHIP

RADAR RESOLUTION

Whereas, a radar transmitter site in Walls Township of Trierens County, Minn. consisting of 3,000 to 5,000 acres more or less would result in a loss of farm families and as much as 25% of agricultural land; and

Whereas, environmentally we find great concern with health hazards to humans, wildlife and possible soil and water contamination from radiation, and possibly chemicals.

Whereas, we are concerned with the economic impact of the land used by the site, plus the lower land elevation on the surrounding area of land.

Now, Therefore, be it resolved: That we strongly oppose an Air Force Defense Radar System within the Township of Walls and we prohibit the destruction of agricultural land for this purpose.

18c

TOWNSHIP RESOLUTIONS OPPOSING OTH-B RADAR
PAGE 2 of 4

March 11, 1968

At the annual township meeting of the Town of Clifton, held on the above date, the following resolution was presented and adopted:

Whereas: Agriculture land is our basic asset in Clifton Township and considering if the radar station takes 4,000 acres permanently out of production, the monetary loss over a long period of years is astronomical. For example take Wheat at \$3.37 a bu., Corn at \$2.16 a bu., and Soybeans at \$4.64 a bu., which is the local price as of March 1, 1968 and project them out at yields of 48 bu. for wheat, 50 bu. for Corn and 28 bu. for Soybeans. The annual loss would be \$64,328.65, which would have been spent locally. Consider this over the life of the land and that it is a production income that multiplies many times over in the processing and marketing of the commodity. These figures would nearly double if they were partly and much higher if they were larger prices.

Now Therefore Be It Resolved: We prohibit the destruction of Agriculture land for any reason other than roads, drainage, ditches or residential development.

CLIFTON TOWNSHIP

APRIL 3, 1968

RESOLUTION

At a special township meeting of the Township of Clifton held on April 15, 1968, the following Resolution was presented and adopted:

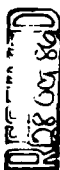
WHEREAS, a radar transmitter station in Clifton Township consisting of approximately 4,000 acres would result in a loss of several farm families and 25% of our township's agricultural land; and,

WHEREAS, environmentally, we are very concerned about being a military target, being near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights; and

WHEREAS, economically, we are concerned that our land could be condemned, leaving farmers to sell out during a depressed period, which sale would result in a loss of tax revenue; and we question if the economic advantages for our local businesses and job opportunities would be justified, considering the burden to our township and that the construction costs would leave their own employees, with housing being built at the proposed site, which site could become obsolete in the near future.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Clifton, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

CLIFTON TOWNSHIP



18-23-H6

Lt. V. G. Brown
ESD/501
Lanscom Air Force Base
Mass. 01731

Dear Lt. Brown:

Hereby, I wish to express our profound disapproval of a radar station contemplated for this vicinity. My husband feels it were better to place it where land is not so productive.

I was informed this morning that Sen. Inawitz sent his aid out to Wheaton, and they questioned only one side of a street and the people in a nursing home regarding whether they wanted a radar station here. I am told that they concluded that half the people were for it, and half against. Needless to say, that was not a fair sampling of opinion. The farmers are more involved and should be consulted. They are all deadly against it.

My mother's father worked under Lincoln in the Civil War, and I am wondering when we will truly have government "OF, BY AND FOR THE PEOPLE"? It seems so undemocratic to force something down people's throats that they do NOT WANT! If that is what the government intends to do, one loses all confidence in our government.

I spoke with a Mrs. Vera Vollmers this a.m. north of Wheaton. She said they have a power line running along ~~where~~ their place, and a pipeline of dangerous chemicals a few miles away, and the last thing she wants is the proposed radar station. If the pipeline explodes, it is deadly dangerous.

Local people have even expressed their concern to our Governor, and yet we are not assured that the radar station will not be forced upon us. I am reminded of "TAXATION WITHOUT REPRESENTATION".!!!

I hereby beg you to listen to the opposing voices of the people. Just powers derive from the CONSENT OF THE GOVERNED! Yours sincerely,

Caroline E. Brink
Caroline E. Brink

Caroline E. Brink
Box 48
Dumont, MN 55326

CAROLINE E. BRINK, M.A.
International Missionary

"Seek Peace and Pursue It."
Psalm 34:15

Box 48
Dumont, Minnesota 55326 (612) 543-0914

April 18, 1966

RESOLUTION

At a special township meeting of the Township of Dollymount held on April 18, 1966, the following Resolution was presented and adopted:

WHEREAS, a radar transmitter station in Dollymount Township containing approximately 4000 acres would result in a loss of several farm families and 25% of our township's agricultural land; and

WHEREAS, environmentally we are very concerned about being a military target, being near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights; and

WHEREAS, consequently, we are concerned that our land could be condemned, forcing farmers to sell out during a depressed period, which will result in a loss of tax revenue and we question if the economic advantages for our local businesses and job opportunities would be justified, considering the burden to our township and that the county and state would have their own employees, with housing being built at the proposed site, which site could become obsolete in the near future.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Dollymount, and we prohibit the destruction of agricultural land for any reason other than roads, drainage, residential or agricultural development.

DOLLYMOUNT TOWNSHIP

17c

May 18, 1966

RESOLUTION

At a special township meeting of the Township of Leonardville, County of Trempealeau, the following resolution was presented and adopted:

WHEREAS, a radar site in Leonardville Township of Trempealeau County, Minnesota would result in a loss of farm families and agricultural land; and

WHEREAS, environmentally we find great concern with health hazards to humans, wildlife, livestock and possible soil and water contamination from radiation, and possibly chemicals, restriction of drainage, communication interference, and the restriction of air rights; and

WHEREAS, we are concerned with the economical impact of the land used by the site, plus the lower land contribution on the surrounding area of land, and possible loss of revenue.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Defense Radar System within the Township of Leonardville and we prohibit the destruction of agricultural land for this purpose:

LEONARDVILLE TOWNSHIP

22c

TOWNSHIP RESOLUTIONS OPPOSING OTH-B RADAR
PAGE 4 of 4

THE RADAR DOES AFFECT YOU !!!!

- LOSS OF AGRICULTURAL LAND, FAMILY FARMS, TAX REVENUE,
A WAY OF LIFE AND COUNTY UNITY.
- RADIATION HEALTH HAZARDS:
BIRTH DEFECTS, CANCER AND NERVOUS DISORDERS.
- PRIME TARGET FOR ENEMY AERIAL ATTACK.
- ROUTING AND RESTRICTING OF WATERFLOW INCREASES POTENTIAL
FOR MORE TRI-COUNTY FLOODING.
- WASTE OF TAX MONEY FOR AN ALREADY TECHNOLOGICALLY OUTDATED
DEVICE.
- JOB FOR THE HIGHLY TECHNICALLY TRAINED, ONLY.
CLOSED AND REROUTED COUNTY ROADS.
- LOCAL T.V., RADIO, SATELLITE AND 2-WAY RADIO INTERFERENCES.
- DESTRUCTION OF WILDLIFE HABITAT — LEADING TO MOVEMENT AND
POSSIBLE EXTINCTION.

COME AND SAY "NO" TO THE RADAR SITE IN TRAVERSE COUNTY!

PUBLIC HEARING
SEPTEMBER 10 — 7:00 P.M.
WHEATON HIGH SCHOOL

RECEIVED
RAT 00780

PHOTO BY OFFICE
1405 BROADWAY
WHEATON, MIN 56208

10-22-66

Mr. B. Brown:

Subject: OTH-R Radar, Wheaton, Minn.

After driving from the Tri-County to Wheaton
it seems to me that a better place
for a Radar place cannot be found.
There are very few farmsteads. Most
of the farmsteads are located 7 months
a year as the occupants go south for
the winter.

Very few people that I meet at the
Coffee Shop & school are opposed to a
Radar base.

In my opinion it seems that the silent
majority are sitting back and saying
nothing. If a vote were taken the
majority would favor a radar base.

There seem to be three money
families causing all the trouble.

RECEIVED
SEP 27 1986

27 Sept. 86

I, Leon Delbert Berger, a current landowner in Redpath Township, Traverse County, of the State of Minnesota, would like to go on public record as strongly opposing the Air Force building an Over the horizon, Early Warning (OIE-W) Radar Base on the Wheaton North Site, or any other Traverse County, Minnesota, sites.

Sincerely

Leon Delbert Berger
Leon Delbert Berger

The opposition force, seem to focus on the environmental problems. These same people, drained every pot hole, built doges about the trees and farmsteads, and left nothing for wildlife.

A few of the opposition force are professional protesters from the Viet Nam era, and created havoc at your meetings.

A petition was circulated, with a threat of boycott if you refuse to sign. I did not sign.

We've tried build a radar base.

Sincerely
Edith Peterson

October 24, 1986

Page 2

concerns and questions, and that we would all stay until 'the wee hours of the morning if need be' for all to be heard. WE BELIEVED HIM! Now I realize you may say that Col. Lee had no control over the public hearings, only the hearing Judge, Lt. Col. Clarke, had that authority. However, I believe that Col. Lee

did have knowledge of the hearing format before he arrived at the first public hearing in Grand Forks on Sept. 9th. Concerned citizens of Traverse County tried repeatedly, but were unable to reach Col. Lee by telephone for weeks to obtain the format for the public hearings. Why, during this same period of time did the Fargo Forum have no trouble obtaining quotes from Col. Lee?

On June 12th Col. Lee also addressed our concern regarding the Air Exclusion Zone in regard to aerial crop spraying of the land adjacent to the exclusion fence. Col. Lee stated that the Air Force would "shut down" the complete system when we would have to spray our fields. However, Col. Lee did not address this specific issue at our public hearing in September. WHY????

In June Col. Lee, on behalf of the U. S. Air Force, stated that there would be 'ample copies' of the Draft Environmental Impact Statement available to all who wanted a copy of the impact statement could have one. WE BELIEVED COL. LEE. On July 21st I called Col. Lee as I had received numerous inquiries from individuals assessing how important it was that they receive a copy of the Draft EIS as soon as they were available. On that date Col. Lee stated, "Don't worry, I was on the direct mailing list," and we both laughed. I then again specified that I was not concerned for myself but many others had been in contact with me and they wanted to make sure that they could get a copy of the Draft EIS as soon as it came out. On that date Col. Lee stated that if anyone had sent him a letter they would be receiving a copy of the Draft EIS. I, and they, again went on his word. On August 18th I received my copy of the impact statement. On August 19th I found there were not ample copies available as had been promised (rather one at the city hall and one

October 24, 1986

G1, G2, G3, G5, G6, G8, G9

Lt. V. G. Brown
ESN/SCD
Hanscom AFB, MA 01731

Re: U.S. Central Radar System-TRANSIT

Dear Mr. Brown:

Originally I was to write my written statement based on the facts, except I have been told time and again by U. S. Air Force personnel and other people that I "do not have the facts." Therefore, I must in turn insist that the Air Force give the facts, and this time put all the facts in writing.

I am writing this statement out of my total frustration. I find the way the United States Air Force has handled this entire Environmental Process is an insult to the intelligence of every citizen of this GREAT COUNTRY. What has been most frustrating has been how patronizing the Air Force has been to the people of Vinton, the people of Traverse County, and in other words, your EQUALS, UNITED STATES CITIZENS.

The decisions you make will affect people. It will not affect numbers, statistics or dots on a map. Your decisions will directly affect United States Citizens! After this was called by Air Force personnel, a "redundant" public hearing, I realize how naive we, as United States citizens, have become. It is now clear to me why there are so many countries in this world which hate America, when our own Air Force treats its own citizens with such lack of respect!!!

My frustration began at the meeting which concerned citizens of Traverse County had with Col. Lee the afternoon of June 12th, 1986. When I would bring up specific questions or concerns Col. Lee either said he would get back with the answer (which he never has), or that the criteria had changed for the Central Radar System. That is strange! The Central Radar System is the same as the East and West Coast Systems, only GRS is 25. LARGER AND OUR AREA IS MUCH MORE DENSELY POPULATED.

On the evening of June 12th Col. Lee stated to more than 300 people the public hearing was ours, it would be our chance to address the U. S. Air Force with our

October 24, 1986

Page 4

October 24, 1986

at the library, neither of which could be checked out). That same date I found out that those who had sent letters had not received copies as they had been promised in July. I then called Lt. Brown on August 20th (at 8:25 A.M.) and I stated that I could easily find a home for a hundred copies in a day if I had them. She then agreed to box twenty copies up that day and send them. I called Lt. Brown on August 22nd to confirm that she had sent the copies as she had promised. At that time she said no, she had not sent them out, and she had been too busy to get back to me. I asked her why she would not send them out to me, and these were her reasons why:

1. Since I am an individual without a title I was not what her Air Force superiors deemed a 'credible' person to receive twenty copies;
2. It was important that the names and addresses of each individual who received a copy of the Draft Impact Statement were recorded so the same individuals would receive a copy of the Final Environmental Impact Statement. How did the Air Force know I would do that?
3. How did the Air Force know that I would distribute the twenty copies to different individuals?
4. The Air Force did not expect such a demand for a Draft Environmental Impact Statement, and they had run out of all their copies.
5. And, after all, the Air Force did not have to give all the individuals who requested a copy of the Impact Statement one anyway.

If, at that point was thoroughly frustrated. In fact I was so angry that I hung up on Lt. Brown, something I have never done before! I was frustrated when she told me that another individual from our community had received twenty copies, but that was because he had a title. I also pointed out to her that I was perfectly able to take down names and addresses of those who received copies. I told her that common sense should tell the Air Force superiors that I would give each copy to different individuals, and that I did not plan on burning them. I told her that the Air Force should have been prepared for the demand of the Impact Statement because Col. Lee told me in July that all that wrote letters would be receiving copies. And last, but not least, all the people who requested a copy of the Draft EIS should be able to receive one, but especially the people who live in the rural areas who would be most directly affected by this radar system.

At our public hearing on September 10th, 1986, Col. Lee was asked of the health

concerns because the Draft Environmental Impact Statement repeatedly stated there is "no significant evidence known." He was asked if the Air Force would consider a health study for those in the future. Col. Lee stated that that would not be necessary as the Air Force has testing going back to 1980 and there was no evidence to further address the long term effects. I really hope Col. Lee did not think we all naively believed him that six years would be a long-term study. But what most the people did not know was that the east coast system was completely dismantled after the testing and was rebuilt with changes. In fact the east coast system which Col. Lee was referring to has not been completely operational for the entire six years as he implied. So, therefore, how can this 'long-term study' be so accurate as Col. Lee stated???

After the public hearing I was SHOCKED to hear an official of the UNITED STATES AIR FORCE state that he felt it was not necessary for our hearing to have gone on any longer, AS "IT WAS GETTING REDUNDANT ANYWAY!" Did the Air Force not know that the people who spoke, spoke FROM THEIR HEART! Many of the people who spoke that night had never given a speech before. They are not professional speakers, nor do they pretend to be! THE AIR FORCE SAID THAT WHAT THEY HAD TO SAY WAS REDUNDANT!!!!!! I THOROUGHLY DISAGREE!!

On September 11th, in Langford, South Dakota, we spoke to Dr. Sid Everett. He expressed our concerns that at the Wheaton Public Hearing not all of the people were heard, or that we could not get a format to the hearing from the Air Force, even though we had tried. He stated that 'we should have had PLAN "B" then and gone with that.' I stated that we are not Air Force professionals, but WE ARE citizens of United States of America. AS A CITIZEN OF THE UNITED STATES I WAS DENIED MY RIGHT TO SPEAK, AS WERE MANY OF MY FELLOW CITIZENS. We went to the public hearing with the belief that all would be heard as Col. Lee had stated in June. WE WENT TO THE PUBLIC HEARING BELIEVING IN THE FREEDOM OF SPEECH. I find it ironic that The Wheaton Gazette, on September 11th, printed the enclosed ad stating that FREEDOM OF SPEECH IS EVERYBODY'S FREEDOM. Why were we denied our basic constitutional right?

THE WHISTLE BLOWER



Not every nation allows you to speak your piece

We in the United States are among the worlds' freest people—allowed to say what's on our minds.

It's no accident.

Our precious Constitution and Bill of

Rights were drafted by people who had escaped repression and wanted to prevent it in this new nation.

Think about it.

Hear about it.

Speak about it.

FREEDOM OF SPEECH IS EVERYBODY'S FREEDOM

Celebrate our Constitution — our Bill of Rights — it's almost 200 years old

A MESSAGE FROM THE NEWSPAPER AND THE MINNESOTA NEWSPAPER ASSOCIATION — ALMOST 400 PUBLICATIONS WORKING TO KEEP YOU INFORMED IN THIS DEMOCRACY. *1984

October 24, 1986

I DO NOT UNDERSTAND AND THOROUGHLY OBJECT TO THE TREATMENT WE, THE UNITED STATES CITIZENS HAVE RECEIVED FROM THE UNITED STATES AIR FORCE!!!!

I therefore request, and expect, that the U. S. Air Force answer the following questions:

1. When was the Draft Environmental Impact Statement actually written? Year and month? (Written, not printed.) 151
2. When was the first time the Air Force decided there were three site areas in Traverse County? Year and month? Why were we told in June by Col. Lee that he knew of no specific areas, and yet he at that time mentioned Hanson Township? 152
3. How can you state that the Draft EIS was an in-depth study of the area when you did not know the powerline existed in Shearon H until I told the Air Force? 153
4. Will you please explain in detail why the site areas are the specific shapes they are and what is the criteria which makes them that shape? 154
5. In the Minneapolis Tribune article, dated September 28th, 1986, the enclosed explanation of the "CIS transmit site", Source, U. S. Air Force, states the antenna would be "5,000 to 9,000 feet long." We have always been told it will be 5,000 feet long. Is there plans for expansion by the United States Air Force? Why have you never used that 9,000 figure before? 155
6. Why was the Air Exclusion Zone not addressed at our public hearing when Col. Lee knew it was a concern of ours? How will it affect aerial crop spraying? 156
7. Why was remoteness not addressed in the Central Draft EIS, when it is so important for the East and West Coast Systems, because you "use a lot of power" and it must be "located away from populated areas," when, in fact, our system is the same, only larger and more densely populated? 157
8. Why, when it is stated in the West Coast EIS, that it is so important to have ground conductivity test done to see how far out the exclusion fence must be, is that not mentioned in our EIS? Have ground conductivity test been taken? 158
9. Why is there only a minimum of 2,400 acres stated in the EIS? 159
10. When the rerouting of water affects the adjacent landowners in future years how do you plan to deal with it? 160
11. Col. Lee stated in May when on the phone with me that if people were experiencing problems with their television reception, the Air Force would handle the problem by raising or lowering their TV antenna. Explain in detail how you plan to do this? 161
12. Why does the U. S. Air Force completely discredit the findings of the Government Accounting Office? 162

October 24, 1986

202

13. Would you wear on a Bible in a Court of law that you would live on the other side of the exclusion fence? Would you please sign that for me? Would you swear that there would never be any health affect on yourself or your children if you lived there a lifetime? Does the Air Force believe that six years is a long term health study?

Sincerely,

Harcie J. Conroy
Route 2 - Box 2
Wheaton, MN 56296

Enc (2)

cc: Senator Rudy Boschwitz
cc: Senator Dave Durenberger
cc: Congressman Vin Weber
cc: Congressman Arlan Stangeland
cc: Governor Rudy Perpich

P.S. I am sending this letter to the U. S. Air Force SPECIAL DELIVER because apparently the Air Force is not timely signing for their CERTIFIED LETTERS. For example, I sent a letter on September 18th, 1986, Certified, Return receipt requested and the Air Force did not sign for it until September 20th, eleven days later. On September 29th I sent another letter Certified, Return Receipt Requested, and this time the Air Force got around to picking up their letter on OCTOBER 15th, SEVENTEEN (17) DAYS AFTER IT WAS MAILED. Why? I find it extremely interesting in lieu of the written comment deadline.

U.S. Air Force's Over-the-Horizon Radar (OTH)

The U.S. Air Force's Over-the-Horizon Radar (OTH) is a long-range surveillance system that can detect and track aircraft and ships over the horizon. It is located at Columbus AFB, Texas, and is one of the most powerful radar systems in the world. The system consists of a large radar dish on a mobile launcher, which can be moved to different locations as needed. The radar dish is connected to a support building, which contains the electronics and control systems. The entire system is housed in a large, mobile launcher that can be moved by truck or train. The system is capable of detecting and tracking targets at ranges of up to 1,000 miles.

Wheaton, which is about 100 miles south of Grand Forks, N.D., was chosen because of its distance from metropolitan areas, its relatively flat terrain, and its excellent radar site. The Air Force has been studying the site for several years, and it is now being developed as a radar site. The site is located on a hill, and it is surrounded by a fence. The site is being developed as a radar site, and it is being used for the purpose of detecting and tracking aircraft and ships over the horizon.

One pair of stations is in Idaho, with a transmitter at Moscow and a receiver at Coeur d'Alene. Another pair is on the West Coast, with a transmitter at Christensen, Calif., and a receiver at Alamogordo, Calif. The third pair is in Arkansas, S.D.

Four sites have been proposed for the transmission system — three near Wheaton, Minn., and another in Arkansas, S.D.

Each transmission site will take an estimated 2,400 to 4,000 acres of land, or 2.75 to 8.3 square miles. Each has four antennas and associated ground support, on a 1,000 to 1,200 foot hill, and will be 100 feet tall.

The equipment must be able to handle the special high-frequency, low-reduction signal required.

RECEIVED
KAROTZ

OCT. 23, 1946

Lt. W. B. Brown
ESD/SLO

Harpur AFB, MA 01731

Dear Mr. Brown:

We are residents and
former of Traver Co. and
have been all our lives, and
we strongly oppose the
site in Traver Co. which
are being considered for the
OTW-B radar system.

Sincerely,
Lest Fridgen's family
Lilley Johnson's family

RECEIVED
OCT 28 1946

Dear Sir,
We a resident of Traver Co, Minn
I want you to know we are
opposed to the radar base here
due to a health hazard.

Sincerely,
Mrs. M. H. Fridgen
Traver, Minn. 56270

RECEIVED
OCT 22 1986

October 22, 1986

G3

Lt. Brown,

We are residents of Traverse County, Minnesota. We are opposed to the proposed Radar Site for this area.

Surely there is less populated, less productive land available to the Air Force nor a Radar Site.

We are opposed to moving people from their homes and livelihoods of generations. Are we not at least as much a consideration as the wildlife.

Sincerely,

J. Roy Shirley
Richard

LeRoy & Shirley Reckner
Rte 1 Box 18
Morcross, MN 56274
Ph. 612-284-2264

RECEIVED
OCT 22 1986

Shirley & Roy
Oct. 22, 1986

St. J. L. Brown,
We are against the proposed
Radar site in Traverse Co.
They have not answered all
the questions asked them &
that's bothering us.

Truly yours,
Clara & Marie Hall

RECEIVED

October 15, 1966

Lt. V.G. Brown

ESD/JCO

Hanscom AFB, MA 01731

G7, G8, G9

Lt. Brown:

Following is the statement that I had prepared to read at the meeting in Sheaton, Minnesota on September 10, 1966.

My name is Margaret Ringger. My husband Robert, son Dan and daughter Dana, live in Section 24 of Dollymount Township, Traverse County, Minnesota. Five of the six quarters of land that we farm are included in the Sheaton SE proposed transmitter sight. These five quarters of land are located in Dollymount and Leonardville townships. We have farmed this land for over twenty years, and my husband's father farmed such of this land for the twenty years preceding that. I am here tonight to state that our family is opposed to the construction of the Over the Horizon Backscatter Radar sight in Traverse County.

Our family has a very heartfelt concern about our farmland and farm home. We have farmed this land, made improvements and added necessary farm buildings over the years, and are proud to be "keepers of the land" and part of the occupation that the world Book Encyclopedia defines as the most important occupation in the world. Farming is much more than a way of life at this time; it is a business of finance, marketing, and accounting. Even though the farm economy is now in a seriously depressed state, I believe strongly that most farmers here tonight, as well as their entire families, would like to retain the opportunity to make their own decisions about how to handle the current problems they are faced with at this time. The thought that our farm sight and adjoining farmland could be bulldozed and demolished for the construction of a radar sight is definitely disheartening and difficult to face.

I realize that these opinions and concerns do not effect everyone here tonight, but there are also many other areas that the construction of this proposed radar sight would have an impact on, such as Television, radio, and CB reception, radiations effects on humans, effects on wildlife, roads being blocked off, to mention a few, that other concerned individuals have or will be presenting here tonight.

(continued)

I am very grateful that I live in this great democracy, the United States of America, that assures us the right of freedom of speech and of the press. It is important that we as citizens use these freedoms in a peaceful manner with respect for the right of everyone to present their concerns and opinions. I thank the Air Force for the opportunity we citizens of these three proposed radar sights have been given to present our statements. I sincerely hope you will listen to our wishes and give them your serious attention. Thank You.

Sincerely,

Margaret M. Ringger

Margaret M. Ringger (Mrs. Robert)

RR 1 Box 50

Dumont, Mn 56236

RECEIVED
OCT 20 1986

Oct. 16, 1986

G3

To Involved Air Force Officials:

Please take your proposed OTH-B radar system and put it somewhere else? Our Wheaton area is prime, top producing cropland and is densely populated with people who want to stay here. Your base would disrupt so many lives here - put it in a less-populated area, where it would affect fewer lives and attract far less undesired negative publicity - because we will continue to tell you and whoever else we need to tell that we do not want that system here.

Linda Poole
Wheaton, Mo

RECEIVED
OCT 20 1986

G3, G8

Wheaton, Mo
Oct 23, 1986

Dear Lt. V. B. Brown
Wamegon, A.F.B.

I am writing you in regard to the backscatter radar system; I imagine I will be telling you what every one else has said so far - We do not want this radar, as it will take so much good land out of production; Also move our farm friends off of the land which they live - Also the big unanswered question about the radar affecting our health.

As you know life is precious; As is health. Also our livelihood and our land could it be possible; If this is needed to put it where there are not so many people to displace and where the land is not as productive. These not Franklin County.

A Farmers Wife
Wagonaut, Indiana

RECEIVED

RT 132 48
Richmond, Va.
Oct 24, 1956

68

Mr. H. A. Brown

I am a concerned citizen of Lawrence Co, Tennessee,
with interests in both the Clinton North district
and the Clinton South-west districts.

I am formally protesting against any
construction of the CHH Fuel Waste System.
I believe that there are many harmful effects
of radiation that would be given off and
it would be too late after you would
build it.

Thank you

Ray W. Edline

RECEIVED

Dear Sir:

I am writing to let you know
personally of my opposition to the
proposed nuclear case in
Lawrence County, Tenn. I have been
and used here and are in
the process of moving my, and
family, here. We chose this as
our home and plan to stay.

Sincerely,
Mrs Edward Doyle
RR 2 Box 208
Hogenville, Tenn
56340

RECEIVED
R3001820

G3

Wheaton, Minn.
Oct. 24, 1986

Dear Lt. Brown:

I am writing you to voice my opposition to the Badwater Radar system that is planned by the Air Force in the Wheaton, Minn. area. We have so much good farmland that may be needed desperately in the future to produce food for our nation. I know we need defense for our nation also but I strongly feel this system could be built in a more sparsely populated area saving land that is good for feeding our sheep pasture.

Yours Truly
Wilbur Schneider
Wheaton, Minn. 56296

RECEIVED
R3001820

Lt. Vg Brown

Mo to Radar Site in town

Clara Benjer
Wheaton Minn

RT=1-130N160

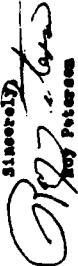
RECEIVED
OCT 24 1986

October 24, 1986
Wheaton, Ma. 56296

Lt V. O. Brown
RBM/200
Hanscom AFB, MA 01731

Dear Sir:

I oppose the Over-the-Horizon Backscatter Radar
site in Traverse County.

Sincerely,

Roy Peterson
Box 56
Wheaton, Ma. 56296

RECEIVED
OCT 27 1986

Ellen Catone
2675 E Longmont Ave
St. Paul, MN 55104
October 27, 1986

Mr. G. Brown
FSD/SCA
Hanscom, AFB, MA 01713

Dear Sir

I wish to express my concern
over the possibility of building
the Horizon Backscatter radar
transmitter in Traverse County, MN.
I think it is deplorable that
family farms would be
demolished for the sake
of this type of military activity.

Sincerely,
Ellen Catone

DE-300 36

I AM STRONGLY OPPOSED TO THE OTH-B RADAR TRANSMITTER PROPOSED FOR TRAVERSE COUNTY MINNESOTA.

NAME:

Mrs. M. J. Behrens

ADDRESS:

310-204th St

Wadena, Minn.

56-49-1

Copies of this form were also submitted by the individuals listed below. Remarks written on the form have been typed as well.

Glenn & Carol Holtz, Wheaton, MN

Mr. & Mrs. William Peyton, Dumont, MN

Mr. & Mrs. Michael Peyton, Wheaton, MN

Mr. & Mrs. Tom Peyton, Dumont, MN

Mr. & Mrs. Gerald Thiel, Dumont, MN

Mrs. Vernon Schmitz, Beardsley, MN

Mr. & Mrs. Bob Thiel, Dumont, MN

Phyllis Bauer, Dumont, MN

Mr. & Mrs. Walter Armbrust, Wheaton, MN

Walter Mosek, Wahpeton, ND

I was Superintendent of Schools in Wheaton (Traverse Co.) for 15 years. Also have young farmer sons in a proposed site area. Believe there are suitable sites outside of Traverse County without disadvantages to affected residents.

Lenora Behrens, Wheaton, MN

It definitely would be a terrible hardship for the many farmers involved and a terrible health hazard to people for miles around the base. I feel this is in humane.

Roland Bauer, Dumont, MN

Mr. & Mrs. Rodney Thiel, Dumont, MN

Robert & Lois Schmitz, Boardley, ME

We are young people who have worked hard to get the land we have and built our own home on it and have a three-year-old son we would like to think could grow up here and live comfortably too without the worry of a radar transmitter in the backyard. I am sure you've heard every argument possible against this, but you put yourself in our position and think how you would feel!!

Orrville & Ruth Thiel, Woonen, ME

Marion Owen, Guilford, CT

Kenneth & Eunice Schmitz, Woonen, ME

Paul, Joyce, Tom, and Mike Keding (7), Boardley, ME

Francis Reed, Woonen, ME

Mr. & Mrs. Deryl Leininger, Woonen, ME

Oct 24 1986

Edward Albridge, Jr.
Sec. of Air Force

Mr. Deitzler,
Washington, DC 20330

Dear Sir:

I do not know what I am
strongly opposed to the
Bill. I believe transmitter
proposed for Lawrence County
is inappropriate.

Gervase Schmidt,
Rt. 1, Box 67
W. Keaton, ME 56296

Oct. 26, 1986

Dear Sir:

I am a farmer in the Wheaton North area, Section #14, Taylor Twp., Traverse Co., Min. I am very opposed to the radar OTH-B system. I feel it is a waste of money in these trying times of a farmer.

There remains many unanswered questions. And, those you have answered were done in a very vague matter.

I have 4 children and enjoy the lifestyle we live and want to maintain it. After all, what could be more wholesome than being a farmer. I love my work and want it to continue. I feel the same way

the others, that had a chance to voice their opinion & feelings at the public hearing so, we do not want it in our area!

Sincerely,

Larry Rogers
RR1 Box 147
Canby, MN
55582

100-27-86

LA V.G. Brown

Hanscom AFB Mass 01731
Sir:

I don't think it is a good thing to take our good land away from the young farmers and older ones. It will destroy our roads schools & people and everything that is good. Health of our people also

Mrs & Mrs Clarence Gullickson
Box 56 Tintah Minn 56583

G6, G7, G8

G2, G3, G8

LA V.G. Brown
Hanscom Systems Division
DIB System Program Office
Hanscom AFB, MA 01731

Dear Mr. Brown,

We felt we needed to write and let you know that there are a few people in Traverse County who are not totally adjusted having an radar site placed in our community. There are concerns, however, safety and the treatment of farmers involved, but we do know that there is an area in the southwestern section of the northern state that would not displace any farmers from their homes. There still remains the problem of loss of land and hence livelihood on the part of these farmers.

We believe that there are others like us who are far this radar site in our county, but do have reservations as to the safety and concern as to whether this system will be obsolete before its completion.

Sincerely,

Richard & Charlotte Davison

Richard and Charlotte Davison
Tintah, Mo. 64582

G2, G8, G9

RECEIVED
NOV 03 1966

I favor in Grant county
and am opposed to the
construction of the OTH-B
radio transmitter in Grant
county, Minn.

I am not sure I heard
it is questionable if the
is actually needed the
more

Other problems
interference of radio, and
TV signals, radio frequency
radiation.

Dean J. J. J.
Norcross Minn.

RECEIVED
NOV 03 1966

I am strongly
opposed to the
OTH-B radar
transmitter
proposed for
Traverse County,
Minnesota

Mr. & Mrs. Joseph D. D.
Sumner
Rt. 1 Box 20 Minn.
56226

October 27, 1986

Lt. V. L. Brown

ESD/SCC

Hanscom Air Force Base, MA 01731

Dear Lt. Brown:

I own land in the southwestern part of
Traverse County in which the one site for the
radar system lies. Please consider my
letter as one in opposition of the site being
there.

My sons were raised on that land and
are now farming it. They have young families
and have bought a new home there. I
sincerely want them and my grandchildren to
have the opportunity for the good life I
enjoyed on this land.

Sincerely,
Norma P. West
602 16th Ave N.
Wabapikon, N.D. 58075

NOV 03 1986

Lt. V. L. Brown

ESD/SCC

Hanscom AFB, MA 01731

I oppose the Over-the-Horizon
backscatter radar site in
Traverse County

Sincerely,
Lawrence J. Freeman
Rt 2 Box 28
Whetstone, MN 56296

RECEIVED
NOV 03 1946

Lt. V. G. Brown

This is to inform you that I am very much opposed to the proposed Radar Site that is being considered for our area in Traveres Co. Mich. I beg of you to use your influence to represent the wishes of the people directly affected.

Sincerely,
Mabel Winter
R.R. 2 Box 29
Auburn Ma. 56296

RECEIVED
NOV 03 1946

Lt. V. G. Brown.

We do not need or want the OTH - Radar station in our area. — (Please give the your

Consideration - Thank You -
Mabel Winter
Box 29 - R.R. 2
Auburn, Ma.
56296

RECEIVED
NOV 03 1966

G8

Lt. V. G. Brown,

I am strongly opposed
to the over-the-horizon
radar site in our area,
mainly because of health
hazards.

Sincerely,

Irene Raguse

P.R. 2 - Box 26

Wheaton, Md. 56296

10-24-86

RECEIVED
NOV 07 1986

Dear Lt. V. G. Brown,

I'm writing this to let you know
I strongly oppose the building of the
over-the-horizon Radar Base.

Sincerely,

Sharon A. Finke

Lt. V. G. Brown



I oppose the over the Horizon Backscatter
radar site in Traw. Co.
not only for the land it takes but for
the devaluation of surrounding property.

Sincerely

Gordon W. Anderson

R. 2 Box 64

Wheaton Minn. ~~56296~~
56296



Wheaton, Minn

Lt. V. G. Brown,

I oppose the Over the Horizon
Backscatter Radar site in Traveres County.

Sincerely

Allen W. Peterson

Rt 2 box 90

Wheaton Minn 56296

Fr. J. Brown

Let 'em to the Redoubt
in Irrepressible County

RECEIVED
NOV 03 1988

Secretary of State

Walter C. Johnson
P.O. Box 30
Hickman, Mo. 64298

4-305

Winston Nov 56296

Oct 24 - 1986

RECEIVED
NOV 03 1988

Fr. J. Brown

- & oppose the Green-the-Range
Hickman Redoubt site in Irrepressible
County

Secretary
Walter C. Johnson
P.O. Box 31
Winston, Mo. 64296

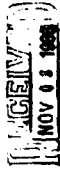
L. T. U. S. Brown



I oppose the Radio site in
Traverse County

Sincerely
Mrs Nellie Plummer
R 3 Box 43
Horton Minn 56296

L. T. U. S. Brown



I oppose on the Virgin Radio site
in Traverse Co. Minn.

Sincerely
Helen Haggman
R R 2 Box 35
Wadena Minn 56482

Lt. V. G. Brown

RECEIVED

say no to the Radar Site in Traverse County
Minnesota
I oppose the Over-The-Horizon backscatter
Radar site in Traverse County

Lincerely
Joe Melt
RR # 2 Box 40
Wheaton MN 56296

RECEIVED
OCT 23 1986

October, 24 1986

Lt. V. G. Brown,

I oppose the Over-The-Horizon backscatter radar site in
Traverse County.

Brendy Heek

Rt 2 - Box 57

Wheaton MN 56296

G6



Dear Lt. Brown,

I oppose the over the horizon Backscatter radar site in Traverse County.
I oppose the devaluation of the surrounding land and the added taxes for the rest of the farmers.
They result in a waste dump also

Sincerely
Elsie Anderson
Rt 2 Box 64
Wheeler, Minn 56296

4-308

October, 24 1986



Lt. V. C. Brown,

I oppose the Over the Horizon Backscatter radar site in Traverse County.

Don Marr

Rt 2 - Box 52
Wheeler MN 56296



OCT. 24, 1986

Lt. V. G. Brown,

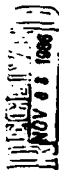
I oppose the Over-the horizon backscatter radar site in Traverse County.

Sincerely,

Roger S. Johnson

Lt. V. G. Brown

OCT 24 1986



I oppose the over-the horizon backscatter radar site in Traverse County

*Sincerely
Leon Mills*

*A.R. 2 Box 40
Wheaton,
Mn*

Wheaton, Minn
Oct 24 1986

RECEIVED
R3 Nov 16

St. V. H. Brown

Dear Sir

I am opposed to building a radar base at

Wheaton, Minn

Sincerely

Alvin Thorne

RECEIVED
R3 Nov 16

Dear Lt. Brown,

I strongly oppose the Over-the-Horizon
Backscatter Radar site in Traverse
County.

Sincerely,

Nancy Raguse

RR 2 Box 24

Wheaton, Minn. 56086

R.R. 3 - Box 27, Winton, Minn. 56296 - 10-24-1986

H. V. G. Brown

Dear Sir. You are well and I
that citizens of Traverse County
Minn. are unhappy at the prospect
of the G. H. B. Radar. I hope
opposed to it, not only in
Traverse County but anywhere.
Some it is a colder great
and unnecessary expenditure
of our tax money.

We are trying to ease
the arms race and it is
time to do so. Its former
pres. Eisenhower once said in
essence. When the primary
concern of a nation is the
militarism that nation will
not have much of interest.

Yours very truly
Lawrence Winter.

NOV 03 1986

3 NOV 86

G4, G8

H. V. G. Brown

I oppose the over-the horizon
backscatter radar site in Minn.

Because of possible health fears +
fears of possible nuclear waste dumps in
later years.

Sincerely
Lawrence Winter

10-35-86

G4

H. V. K. Brown

ESD/SCU

Hawesum AFB, NH 01731

3 Nov 86

Dear H. Brown,

I oppose the Coven the Horigan
 Bunkerwater rearm site in 'Tram
 County because of my concern
 over what this site will be used
 for after it is deemed obsolete.
 I feel that a realistic possibility
 of a hazardous waste dump site
 will be proposed for this area
 since the government will already
 own the land. That is the worst
 thing we need.

Sincerely

William W. Wink
 1605 Bunkerwater
 Winton, NH 03095

G2, G4

3 Nov 86

October 24, 1986

At Y. H. Brown,

We are opposed to the OTHB Radar site
 in Thayer County as I feel it is a
 waste of taxpayers' dollars to erect a
 system which will be obsolete, in the
 most, ten years and I greatly fear
 what the government will use the land
 for after the system is out of operation.

Sincerely,

Edna Stued
 1009 Sunset Ave No.
 Winton, N.H. 03096

1 NOV 2 1988

4 UG Brown

Say "No" to the nuclear site in

Traverse Co Minn.

Traverse
Rgn. John
RRA 1 Box 160
Wheaton, Minn. 56084

G5, G7, G8

Wheaton, Minnesota
Traverse County
Redpath Township Section 7

October 28, 1986

Senator Dave Durenberger
Senator Rudy Bockholt
Congressman Vin Weber
Congressman Adrian Stangland

Dear Members:

Regarding OTH-3 System Site...North of Wheaton

We are located touching the South West diagonal triangle of the proposed site North of Wheaton where it is very flat and the only landmark for miles is the powerline.

Our concerns are national defense, radiation, water and roads but not necessarily in that order. It depends on where the problem appears to be at the moment. And the last two are just as serious as the first two.

We have to assume the need recommendation is valid; just as valid as many of the "majority rule" decisions that come from your efforts. That's the precise reason we do not oppose the OTH-3 Site on our doorstep.

We assume the Air Force will work with us around the site in regard to radiation protection...it amazes me how expert various people in the neighborhood are all at once on this subject, yet they do not know anything about radiation from microwave and electric raters. We are vocal people; I think we will be trying to cooperate and if we have problems, you'll hear about it.

So lets go with the program rather than get caught! I choose to live in this democracy and for all its faults, I see its advantages more strongly than the options offered anywhere else.

I do believe that you can be helpful when the project progresses. Water and roads are the concerns.

Because of the low population in this area and many rural people oversteering themselves plus some poor soil stewardship makes water and roads a problem. Because the Mustangs river flows under our driveway and 12 mile Creek ends right by our house as it joins Mustangs, we are very much aware of how much more water comes our way in the spring than it did when we came here. And the water has been excessive even during dry years. We desperately need water management through watershed. I believe the OTH system can help force such planning people. That will do more to keep "our quality farm land" than what the OTH will take out of production!

Roads out our way are not a county priority, given population etc. OTH should put hard-surfaced roads on our area because we know they will not tolerate the impassible roads we locals have been told to "live with" Sugar beet producers have mutilated most roads in the area because their trucks are more often preweight than legal and they basically never even try to leave their mud in the fields!

Because of all these things, we think we must support the Air Force if and when they locate the OTH-3 in our back yard.

Respectfully,
John
L. Duren, MN 56084

G8

NOV 23 1986

Wheaton, Mn.

Oct. 24, 1986

Lt. V.G. Brown,

I am very much opposed to the Air Force Radar Transmitter Station in our area. I want my children and grandchildren to live healthful lives in this supposedly Free country.

Sincerely,

W. G. Brown

10/34/86

G8

Lt. Brown


I am opposed to the Radar System that is proposed for the Wheaton area due to the mutation by unanswered questions especially in regard to health.

*Sincerely
Kathy Ramsey
403 8th St. So.
Wheaton, MN
56256*

G2, G3, G4, G5, G6, G8

CONCERNING:
OTH-B RADAR

Gentlemen:



We a resident of Traverse Co. and a Farmer Near the SouthEast WHEATON TRANSMITTER site, MY wife Lois and I stand opposed to the construction and operation of the project.

We feel that the lack of long term studies on the effects of this type of radiation exposure to humans, is a threat to my family and our community. Whenever the airforce is questioned on the safety of this project, we are told that "the Over the Horizon" is needed for national defense. That is not an answer to this question! I firmly believe that this project will be outdated before it is completed and will send as a nuclear waste dump Traverse county seems to fit your description of the Boondocks!

By taking 4000 acres out of production, you might put your self on the back for providing a solution to overproduction of grain and a risk in national defense. In an era when the doubts are taking over millions of acres in Africa and other parts of the world every year, this grain surplus can only be a temporary situation. When you get through restructing and modifying our natural waterways and ditches, thousands of acres adjacent on every side of the

163

This site will be rendered unproductive and depopulated due to flooding. Aerial spraying will be almost unheard of in this area because of restrictions on civilian aircraft in the area. In many years, timely applications of pesticides and insecticides have salvaged crops in times of wet weather. I understand no civilian aircraft are allowed within 10 miles of the transmitter. I know better than to believe you when you say you might shut down the transmitter from time to time so someone can avoid spray! Our small towns and communities can't withstand any more complications to the area farmers. This temporary splash of money coming in to the community from the construction phase will fade as fast as it came, with the end effect being negative to our county.

This outdated plan Does not Belong IN TRAVERSE Co. or anywhere else as productive and populated as we can show we are.

You have yet to Reveal any Productive Outcome From The OTH-B RADAR System, either defense wise or community wise.

Barry & Lois Luty
Section 24, Leonardville Twp.
Traverse Co. SE site

Dear Lt. V.G. Brown,

Reference: For submission to Final EIS/Reference to U.S. Radar System

From: Brad & Daryl Dugan, Resident of Traverse North.

Before the September 10 hearing at the Alhambra High School I hadn't taken much interest with anything pertaining to the radar base coming into this area. After attending the hearing and listening to people opposing the radar base I had to ask myself why do people oppose it.

Most of the things I'm going to state are factual and the truth other wise stated is my opinion. As for your part even as you go to bed tonight you should think about the truth, by taking a look at the peoples situation in the proposed sites and at yours also for your own personal and families needs.

Lets go back when America was first coming about. It was the pilgrims who came over to start a new life. They came over to get away from their country and to be self sufficient, to be independent. Before the industrial revolution 95% of the people had their own business and 5% had jobs. Today that is just the opposite with more and more people looking for a job. A social security statistic states that of the American people 1% are wealthy, 1% well off (just making it), 5% retired, but working, 30% had before age 65 and 55% are broke, living on social security or some other form of welfare. Most of this is because of a job and stress. In my opinion a job doesn't cut it in the free enterprise system. That is what America was built on free enterprise. 1/10 of 1% of the millionaires worked for someone else, 99% of the people in a job situation will never get a four hundred dollar raise in their life. The sad thing about it is the schools teach to go get a job. But in this area of farm land the majority of people are part of the free enterprise system. But when you ask a farmer what price he received for his crop or livestock chances are that the government had something to reflect on the price. I have to ask you is that free enterprise? The government has tainted the free enterprise and when it comes to taking land away it takes away free enterprise. In my opinion the greatest president was Abraham Lincoln, why? because he freed the slaves. They were freed from being forced to work for another man and thus working for the government. It seems to me that the more we check and think out the more it leads to communism and decision making up to the government and not the people of this great nation.

Letting right down to talking about this community and the radar base things can be classified as positive and negative without going into details. The positive things you say will happen will never come about. The negative things you say will not happen at all. It's as simple as that. Yes my wife and I oppose the radar base along with the majority of the people in this area. Why? I think being an American and part of the free enterprise system is bound enough of in order.

cc: only Dugan

NOV 03 1985

G3, G4, G6, G8, G9

RECEIVED
NOV 11 1985

10/28/86

I am opposed to the location of the OTH-B Radar transmitter site in Southeast Lawrence County, for the reasons following:

First of all, the use of prime agricultural land and local wetland areas being considered for such a site, I feel is undesirable to this area. I feel the radar transmitter site should be located in a more unproductive area.

Secondly, there is the issue of possible ill-effects of any type of radiation emitted from this radar base. I don't feel the matter has been thoroughly researched by the Air Force; the only response to the issue was by Public Relations Personnel of the Air Force telling us that there should be any ill-effects but no guarantee could be given. There have been other occurrences that the government and military thought shouldn't cause any problems; and did end up being very harmful to those involved. Is this your back door approach to getting your waste disposal sites into our area? Is there any clear answers are presented, I stand opposed to the Southeast site being considered in this area.

Third, there is the issue of the loss of the base to the townships involved. I feel this should be one of the concerns of the people in these areas. The importance of an issue such as this was intensely brought to my attention by some very concerned county officials. It was explained to me how the loss of the base on even a small parcel of land could jeopardize a whole school district and township government. Is a loss of the base preparation for such a large project could, therefore, have a very detrimental effect on the local school districts and the townships as a whole. Other well understood issues a larger

the burden on everyone in the townships involved; especially farmers who already carry the biggest tax load. So, therefore I again oppose the site in the area for this reason also.

Another area of concern is possible interference in the use of two-way radios which are a great asset and efficient tool not only to farming operations, but also our local hospitals and our recent access to larger community air ambulances service, fire departments, law enforcement service, aerial crop sprayers and private individuals.

Finally, as one of the Manly young family farmers in this area, I don't feel that the few benefits that might arise from this project will outweigh the loss of future generation family farming opportunities and the additional hardships placed on those who remain in the radar site area.

Thank you,
Kenneth S. Juty
Dumont, Minn. 56236
Southeast Lawrence County, Minn.

G2, G3, G8

NOV. 23 1986

10-28-86

Lt. Brown

Re: OTH-Backscatter

Being a resident of Traverse County, I strongly oppose the Air Force wanting to build the radar system here. It's apparent this is a government project, because common sense is not being used. There must be a more barren desolate location where this could be built. This is prime farm land.

Also, on a project such as this, great concern is shown for protecting wildlife. Fine, let's protect wildlife. But what about human life. Don't we deserve any protection? Don't we rate high enough? After all, we just live here, work here, and pay taxes so our government can build all those expensive toys for our military. Why should we get protection from the obvious harmful effects?

Lastly, I really, really, really don't believe this system is needed. It just seems like another waste of money. Taxpayer money.

Jim Rackner
Rt 1 Box 18 Norcross, MN
56274

My name is Mr. RAGNOR, and we are landowners and farmers in the Wheaton North area, section 34, Taylor township, Traverse county, Minnesota. We are very much opposed to the Radar Transmitting Station in our area! We are also sugar beet farmers and we feel the Radar Transmitting Station would be a great hindrance to this industry, and the loss of valuable sugar beet acres.

We have four children and our farm is our BIRTHPLACE and our family way of life. Our farm has been in the RAGNOR family for over 60 years, and we would like it to continue for more generations to come.

Our two oldest children are now teen-age boys, who since toddlers, have been interested in farming. I have along with me a picture one of the boys drew when he was in kindergarten, 10 years ago, titled "WHEN I GROW UP, I WANT A" and, on that picture he drew a tractor and a semi-truck. That same boy still has the same dreams! How can you MARK take away a child's dreams and our WAY OF LIFE??

Thank you!

G3, G6

Mr. W. B. Brown

I oppose the proposed Radar Transmitting Station in the Wheaton North area, section 34, Taylor township, Traverse county, Minnesota.

Sincerely,

Mr. William Brown

NOV 03 1961

NOV 03 1961



W. Yates, Tenn.

Rev. W. H. Brown,

Why take you from here for
On O T H-B under here - And
Ancient would have to get it culture
And we would like to keep it for
Gnosticism's sake - I'm in sympathy
for a free country - And we want
our children & grandchildren to grow
in a successful environment - I want
like the government for long building
to keep it open - I don't want to
and there, I'm pleased - why do
we have to fight our fight - just
Gnosticism? & what else did for the
Country?

Sincerely,
Jane Schmitt

RECEIVED
MAY 11 1968

6-7200 11-68

RECEIVED
MAY 11 1968

St. Paul's Parsonage
2675 E. Longfellow Ave.
St. Paul, Minn. 55109

St. V. B. Brown, E90/500
Newcom AF3, MA 01731
Dear Saintman,

I am writing today because I
feel the urgency of the problem.
The farmers of Traverse County are
in danger of losing their family
farms because the air forces
wishes to construct an over the
horizon backscatter radar transmitter.
This would involve over two
thousand acres of good farm land.

I thought we were trying to
support and preserve these
family farms. These people love
their farms, good soil, and this
way of life. They are willing to
continue the battle against un-
certain weather conditions, fire,

prices, and the high cost of machinery and supplies. They feel their work contributes to the good of our American way of life. Are we going to let them down? This is a great opportunity to show our care and support.

I thank you for your time and consideration concerning this matter.

May God bless your work, and direct your deliberations and decisions. May He bless this great country of ours and always keep it free.

Sincerely yours,
Sister Herman Joseph Bruch

RECEIVED
NOV 03 1946

St. U. D. Brown,

I oppose the Over the Horizon

backscatter radar site in Grovers

County or anywhere around.

Sincerely

William Kilgman

R. R. 2 Box 26

Wheaton, Minn

56286

66-17-56

Lt. V. G. Brown
Vernon, AFB.
MA, 01751

RECEIVED
NOV 12 1966

G3, G8

Dear Lt. Brown -

I am opposed to having a radar in Traverre County, if we need it, there must be someplace where not as much pine agriculture land would be wanted.

Furthermore, I don't believe enough tests have been taken for safety sake -
I am also sure the wildlife would suffer since we are so close to Lake Traverre -

So no OTH B-Radar in Traverre Co. Sincerely

Mrs Vernon J. Smith
3 Ardley Ave

RECEIVED
NOV 11 1966

10-28-66

Lt B & Brown, ESD/5C
Hanscom AFB, MA 01731
Dear Sir

I would like to stand in opposition to the location of 5 radar bases in Western Mass.

If it is put in with knowledge it will take most of our farm land. We are trying to get two sons started and can't see anything like this going to do any thing but hinder all farm young and old.

I have lived and have all my life 68 years in fact. Only to have some thing like this take the best farms land around.

Once again I strongly oppose

Yours truly
John Phil

11.25.1986

Lt. G. L. Brown

NOV 03 1986

Oppose the Over-the-Horizon Backscatter radar site in
Traverse County.

Traverse County

Traverse County
Box 52
Wheaton MN 56296

October 24 1986

NOV 03 1986

Lt. V. G. Brown

Oppose the Over-the-Horizon Backscatter radar site in
Traverse County.

Kenneth M. Elk

R #2 - Box 52
Wheaton mn 56296

RECEIVED
NOV 11 1986

*I am strongly opposed
to the OTH-B RARAR
Transmitter Proposed for Inance
Co. Minnesota*

*Francis Mord
QR #1 Box 28
Wheaton, Min. 56296*

4-324

Oct 24, 1986

RECEIVED
NOV 11 1986

Lt. Brown

We don't want the Over-the-Horizon Backscatter Radar site
in Traverse County.

Sincerely,

Myron B. Binkley
Rt. 2 Box 25
Wheaton, MN 56296

G4, G5, G6
Oct 24, 1986
NOV 23 1986

Lt. V.G. Brown,

I oppose the Over-the-Horizon Backscatter Radar site in Traverse County. It seems to me that any project with as many unanswered questions as this one should not be funded for any location. Apparently the GAO Office felt the same way.

Nobody has answered these questions. Who is going to make up for the lost taxes in the affected townships? What is the future for the farm families that have devalued land around the site? Who is responsible for the erosion of the valuable topsoil during the time of construction when they need to blade away the existing landscape? What is the Federal Government going to do with the site when it is no longer in operation in twenty years? What compensation will be made to people in the future if they find out that the "small possibility" of health risks turns out to be reality?

Nobody but the military would dream of proceeding with such an expensive project in light of all these questions and all this opposition.

Sincerely,
Ellen Vollmers
Ellen Vollmers
Rt. 2 Box 21
Wheaton, MN 56296

Lt. V.G. Brown
NOV 23 1986

I oppose the Over-the-Horizon Backscatter Radar site in Traverse County.

Therip J. (X) 11/1
13th 2-Box 52
Wheaton MN 56296

NOV 05 1966

G8, G9

Hearing Officer
HQ Electronics Systems Division
PTI-B Systems Program Office
Hanscom AFB, MA 01731

Attn: Lt. V.C. Brown

Sirs:

Our family is opposed to the OTH-B Radar System because of the potential health hazard to this great farming community in this great land of ours.

We are concerned to a great degree about the effect on the local television and radio, and the school bus two way radio transmission. This is a rural community and we depend on the television and radio to maintain our mental health during the long cold winters in this great state of Minnesota.

Sincerely,

[Handwritten signature]

G2, G3, G4, G6, G8

RECEIVED
NOV 05 1966

Subject: OTH-B Radar Installation (Wheaton North)

To whom it may concern:

My husband and I are writing in opposition to the proposed site of the Radar Installation site by Tintah (Traverse County), which will possibly use up to 32 sections of land. This area depends on agriculture. A major portion of our population is in some way dependent on the farmers in our area. We all either work for farmers, are farmers that will lose our land, are involved in fertilizer companies or run a business in town that depends on the farmers.

This site is too close for comfort. It is taking some of the best producing land in the Red River Valley. The testing that has been done is not conclusive as to our personal safety. We would like the answer to several questions that have not been discussed by the Air Force. Will there be radiation? Will it affect our central nervous system? Will this system be outmoded in several years and used for a nuclear waste dump? Will the farmers get a fair price for their land? What will they do after losing some of their land or in some cases, all of their land and/or their homes? How many local people will be employed by this system or will it be run entirely by Air Force people? We have not gotten enough information from the Air Force on how it will actually affect us.

We, on a personal level would be directly affected, as my husband is employed by a farmer who would lose a major portion of his land. As we just bought a house in Tintah this spring after moving around for fifteen years, we are planning to stay and make this our home. That might not be possible if the radar moves in.

Thank you,

[Handwritten signature]
Mr. and Mrs. Ken Krause
Rt. 1, Box 2
Tintah, MN

Lt. V.G. Brown

ESD / SCO

Hanscom Air Force Base,

MA 01731



Lt. Brown,

We are strongly opposed

to the 07h-13- Radar

Transmitter proposed for Traverse
County, Minnesota.

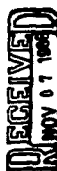
John Lundquist

Berneta Lundquist

October 27, 1986

G2, G3, G6, G8

Lt. V.G. Brown
ESD/SCO
Hanscom Air Force Base
Maine 01731



Dear Lieutenant Brown:

This letter is in response to the Over-The-Horizon Backscatter Radar System installation being proposed for the Traverse County, Minnesota area by the Department of the Air Force. For the record, I am voicing my strong opposition to this proposed installation.

I was born and raised in Traverse County and still call home the farm which my parents operate (and on which one of the sites is proposed). I have followed with keen interest the debates on the proposed installation and have read the Draft Environmental Impact Statement furnished by the Department of the Air Force. I will not belabor the legitimate concerns that have been adamantly voiced by the vast majority of residents of Traverse County regarding the issues of human health risks, wildlife disruption, economics due to loss of prime farm land, displacement of families and the short-lived usefulness of this radar system except to say that these are very critical concerns for which the Air Force has not provided any positive answer. The questions raised must be taken seriously and not ignored as prattle of uninformed people voicing irrelevant questions. Any benefit to the area or the nation is outweighed by the above concerns, especially in light of the fact there is an alternative site in South Dakota.

The other point the Air Force must realize is that the land that may be taken as a radar site is not just real estate in the sense of a city block is bought and an office building put up. The farmers of Traverse County do not just live on the land because a house happened to be vacant and they moved in. They are on the land because it is a true way of life. The land my parents have worked for many years is in every sense a part of them and has provided their family with a sense of roots, home, family, stability and responsibility. Young families now are providing this same way of life for their children. This cannot be ignored and these people cannot be uprooted without very serious consideration of this. A way of life would be destroyed-not just a wooden structure and a few clumps of dirt.

Again, I, together with my husband who was also born and raised in Traverse County, register opposition to the proposed radar sites in Traverse County, Minnesota and hope the Air Force will not ignore the wishes of not only the people of the county, but the many other people from outside the area, legislators and the Governor included, who recognize this installation should not be placed in Traverse County.

Sincerely,

Berneta Lundquist
Berneta Lundquist
4105 Kircilmont Drive NE
Bemidji, MN 56601

RECEIVED
NOV 07 1945

Oct 25, 1945

Attention

Re: DT HB Radar site

As a farmer and landowner in the Farmville area etc. I see the proposed radar site as another military blunder which will be an absolute waste of money in Farmville. In addition to that it will be a nuisance of a lot of tax dollars, and heartache to us.

There is no way such a project can be installed without seriously affecting the drainage of Twelve Mile Creek and its two branches. I see massive Classaction lawsuits by area farmers whose land will be flooded by the project. Merely sending the papers and magazines mentioning the war and the developing of planes and missiles which

can add are being built to escape radar detection. I have come to the conclusion some people in the Air Force who are proposing this project have their heads upside down.

Yours truly
Miss E. E. Ewing

G3, G8



Dear Sirs,

In writing concerning the Breckinridge Nuclear System, as appears in the news of the area you want to set it up in. There are many reasons why I think this area is not a good place to set this up. There are other areas where this could be set up where it would affect so many people. It should be set up in a low populated area.

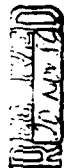
One of the reasons for not setting it up in this area is because it would ruin all of good farming land. What is the government to make them living by farming to do to support themselves and their family. Set it up in an area where there is no good farming land.

I don't like the idea of the radiation which will probably affect the many people in the area. It needs to be set up in an area where it won't affect any people.

There are other places where it is already because of this it means a lot of money and then are many people (majority in the area) can't get it. Thank you.

Sincerely,

Thurs and Susan Kellin

Horton M.,
Nov 17, 1956


L. E. H. Brown ESO/SLC

Hawson A. 4, B

Ma. 01791

Dean E. Brown

There is also your in-
fluence concerning the plans to
build an OTHB radar trans-
mission for some County Minn
We do not want threatening
monstrous in our midst; nor
do we want our previous land
taken away. Somewhere you have
heard many grievances from this
area. Please listen.

Sincerely,
Nebel Winter

TELEPHONE
812-863-8156

RICHARD S. ROBERTS

ATTORNEY AT LAW
BROADWAY OFFICE BUILDING
P. O. BOX 25
WHEATON, MINNESOTA 55090

ASSOCIATE
MARK A. MEYER

November 12, 1986

Headquarter Electronic Systems
Division /SCO
C7H-3 Systems Program Office
ATTENTION: Lt. V. G. Brown
Hanscom Air Force Base, MA 0173-5000

RE: Radar Installation

Dear Lt. Brown:

Please be advised that the writer has lived and worked in the City of Wheaton since 1980 and I have followed the events of the above captioned proposed installation with interest. Initially, the community was overjoyed at the prospect since the City of Wheaton has an abundance of inexpensive housing and would most certainly welcome any increase in population, and this view is still shared by a large majority of the community as a whole.

At some stage in the program, a few highly vocal individuals, who in the past have never taken the slightest interest in public developments of any kind, apparently became obsessed with the idea that all of the Traverse County proposed sites would be to their disadvantage. They were immediately well organized and were provided with the necessary funds to wage an effective campaign before the township boards and the county commissioners who, being politically minded, feared for their offices and made resolutions in opposition to the proposed installation although their reasons for doing so are totally irrational.

They also managed to convince the governor, who is more political than patriotic, to come out with some kind of a statement in opposition to the proposed installation, it being an election year.

Few people have ever been able to accurately predict human behavior in a given circumstance, however, it would appear that the nucleus of the opposition at the outset appeared to know exactly what to do and were given the re-

Lt. V. G. Brown
RE: Radar Installation
November 12, 1986
Page Two

sources to accomplish the present state of the opposition. I would think that this might well be of interest to the Air Force Intelligence should they be inclined to make inquiry.

In any event, as a citizen of the United States, it is my feeling that the radar facility should be placed at the optimum strategic location without regard to the self-interest of any group.

To that end, if I can be of any assistance to you in any way, please let me know.

Thanking you, I remain,

Respectfully,

Richard S. Roberts

RSR:jr

NOV 28 1964

Dear Lt. Brown,

We are writing in regard to the proposed radar base in Wheaton, MN. Although there has been much negative publicity, we are definitely in favor of the project & feel it would be beneficial for our area, in the long run. Discontent people have been afraid to express their opinions for fear of losing their business from farmers.

My only concern is what happens after 20 yrs. We do not want to end up with a nuclear waste dump where we are many miles in Minnesota. To consider building that in our state is just ridiculous. We are here in the country.

Thank you,
[Signature]
[Address]

G1, G2, G8

TO: LT. V. G. Brown

NOV 28 1964

①

I am writing to voice my strong opposition to the proposed OTH-B system. I have a small welding shop business which is directly dependent on the Farming in this area. I can't see why this Radar is needed because of the new radar evading planes of today.

I also feel that the people who live & work around this area are being used as guinea pigs! The Air Force hasn't tested this in any other area. Probably because of the low population they go to the least resistance. If our town had a population of 1000 or more they wouldn't be thinking of this site.

I feel that the Air Force thinks they can do whatever they want regardless of what people think.

Why does Government always insist they know what the people need better than the people themselves.

And as far as the way the hearings were held we as individuals had 3 minutes to decide our fate.

I Hope you read this and keep this Country The U.S.A. instead of dictatorship.

Next Page

I would like this letter included
in the Finally Impact Statement and
a copy of it.

Linnery Steve Keller

Steve Keller
R1 Box 4
Tintah MN 56583
Traverse Co.

RECEIVED
NOV 25 1986

November 25, 1986

Lt. V. G. Brown
RSD/SCC
Hanson AFB, IA 01731

Dear Lt. Brown:

My husband and I farm in the North Site of the Traverse
County Minn. sites. We are located on the west edge of
the designated site to the north end.

There is a area of land in the North Site that is not populated
for many miles. If this land could be used and I feel it
would fit the needs of the Backscatter Radar Site, then
it would definitely seem reasonable to say that we are in
favor of the site for Traverse County. I feel that the
radar defense system is needed for the proper defense of our
country, and because of this need, we can use productive
farmland and especially if we do not have to relocate many
people or none at all, when siting it.

I definitely feel there could be economic benefits for
our community as well, even though this should not be the prime
reason for building such a defense system. We are currently
very depressed economically because of the low farm economy
at the present time. Certainly adequate payment should
be made for those who do give up their land for this project.

Sincerely,

Dolores McClermon

Dolores McClermon (Mrs. Richard)

Minn-Dak Farmers Cooperative

ROUTE 1 BOX 10 WAHPETON, NORTH DAKOTA 58075-9705
TELEPHONE (701) 442-8411

G6

November 26, 1986

Lt. V. G. Brown
H. O. Electronic Systems Division/SC0
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

It has been brought to my attention that aerial spraying would be limited or banned in the Wheaton-Tintah-Norcross area should the Air Force choose this site for the OTH-B system.

Sugarbeets are grown extensively throughout this area. Aerial application of pesticides for sugarbeets has long been a necessary tool for the sugarbeet grower.

Timeliness in applications of herbicides on sugarbeets is very critical for weed control. Many of the broadleaf herbicides used on sugarbeets will only work when the weeds are at a certain stage. This period of time is only a few days depending on growing conditions. After this period, herbicides become ineffective for weed control. Aerial applications of herbicides is a much faster operation than ground application. In many cases due to wet field conditions aerial applications are the only alternative a sugarbeet grower has for weed control. Without aerial spraying, weeds would become a serious problem to the sugarbeet grower. Not only will this cause a yield reduction to the grower but also a quality problem for the whole Coop. Weeds that are harvested with the beet pose a storage problem in the sugarbeet pile. If loads come to the receiving station with excessive weeds, they are rejected.

Aerial application of herbicides is not the only method of weed control. Ground application of herbicides and hand labor is also used. However, all three of these methods complement each other. Without aerial application the other two methods of weed control would not be as effective.

Aerial spraying is also used for fungicide use in sugarbeets. Cercospora leafspot is a fungal disease that reduces both yield and quality in sugarbeets. To combat this disease a grower must spray an average of three times every 10-14 days during the critical incubation period of this disease. Aerial spraying is used by the majority of the growers to keep this disease in check.

Ground spraying can also be used to hold off this disease but only if (1) a grower makes an initial investment in a costly ground sprayer, (2) field conditions are dry enough to permit ground spraying (3) foliage is short enough so the crop won't be damaged by wheel tracks.

Cercospora spraying also comes during small grain harvest. Many growers don't have the time or labor to handle both jobs at once. Therefore aerial application permits the grower to get his beets sprayed during a hectic time of the year.

Sugarbeets are not the only crop to be aerial sprayed. Small grain, soybeans, corn, etc. have all been aerial sprayed in the southern Red River Valley. During a wet season like we've had the last few years, some growers entire acreage has been aerial sprayed.

Please consider this when you are choosing a site for the OTH-B system. Aerial spraying is vital to sugarbeets and agriculture in the Wheaton-Tintah-Norcross area.

Thank you.

Sincerely,

Jim Coffman

Jim Coffman, Agriculturist
Minn-Dak Farmers Cooperative
Wahpeton, ND 58075

JC/tm

November 27, 1966

Lt. W. G. Brown,

HQ Electronic Systems Division

OT4-B Systems Program Office

Wanacoma AFB, WA. 98191

11 5 DE 66

Dear Sir:

Mr. James Lundquist and Lawrence Lundquist
 Re: Box 74, Bismarck, Minn. 56240,
 strongly oppose the new - the - Oregon
 backscatter radar in Beaver County.
 Our farm is located in the SW portion
 of the.

These seven farms and have been all
 our lives. These drive some have some
 parents and some parents who settled
 here about 1890. I had begun as a farmer
 and was broken by pneumonia and then and
 through the years I had improved upon
 to become one of the most productive
 areas in the nation. Over a long time
 to have and with a radio system that was
 the best in the area.

About 1/2 mile from the property is
 a new road - kept through the property
 in 1891. He indicated a 1/2 mile road
 this year through the area of the
 town the end of the community. There and
 are gathering from families are forced to move
 because they are system is not in
 good land or because some of the other
 is no subject to be radiated in the area
 of property the compensation will be
 made.

If the threat of attack is so slight from
 the south why add just 200 miles more?
 If it is so great, the threat of attack from the
 South, how do we dare go only 500 miles
 South in our radar protection?

Please explain, & answer and justify
 the entire OT4 Radar System in Central US
 in light of the above questions.

Sincerely,
 Glen E. Davis

Also what are the alternatives to OT4 Radar
 re cover these missing spots? And what
 would their cost be?

The farm is not a very expensive round house, but continues to be "home for the holidays" and vacation spot for 18 nieces and nephews and their families. We plan to retire here. Our home is comfortable and as modern as most in town or country. With the health risks from the proposed radar system, who will want to live in the area and who would buy the nearby land if we decided to sell?

We hope space will foresee the disastrous results. Please take these remarks seriously and put a stop to any plans for an OTH-B radar system in Lawrence County.

P.S. For the past 40 years I have been a member of the Barbours Twp. Bd. of Lawrence County. I know the importance of good roads and adequate ditching for drainage. The proposed radar system would require ditching lands, filling in ditches and doing away with our hard septones. Land purchased by the government would not be taxed. This would put a tax burden on the farmers. Again, I strongly oppose the OTH-B radar in Lawrence County.

Lawrence Lundquist

RECEIVED
DEC 8 1986

Wichita, Miss. 56286
Dec 1 - 1986

Dr. U. H. Brown

Hanson AFB, Mo. 64091

G2, G3, G4, G6, G8

Dear Sir:

I am a resident of Shawnee Co. Mo. and wish to voice my opinion on this OTH-B radar system. I am totally against this construction in this County, because of the loss of farm families. Loss of good productive land, loss of farming business, higher taxes on remaining land and severe health risks. The government has no right to ruin farm families any more than they already have. We have enough to endure now with this bad farm economy. They have no concern for farmers any more and want to demolish them from the land. In 5 years this radar system will be outdated and the community ruined + land ruined and no one cares about the future of farm families. Something has to be done to change this.

Sincerely,
Mrs Margaret Johnson
RR2 Box 31

James A. ...

[illegible][illegible]

like a paper hat
like a hat
108 DEC 86

108 DEC 86

G2, G6, G8

85

L.T. McGowan
H&B Electronic Systems Division
Ortho-B Systems Program Office
Hanscom AFB MA 01974

I am very much opposed to this C.H.B. radar in Traverse County. All my young life I have planned on farming my parents land in the future. you have no idea how much it hurts to think that could be taken away for a radar site here. It would take away all my dreams and thoughts that my horses and we would go down the chain. I don't think you need to use good farm land for this radar site. And with out tax money for this. let a beautiful good horse stand not have a beautiful horse and no more.

1752-80

Practically Weathered;

December 4, 1986

G6

Lt. V.G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA. 01731

Dear Lt. Brown:

I am writing in regard to aerial spraying of agricultural crops close to the OTH-B system. On Col. Lee's second visit to Wheaton in July he said it could be shut down so aerial spraying could be done. I find that hard to believe that the U.S. Air Force would shut down a Multi-Million Dollar National Defense system so I can spray the back 40. If that is the case National defense maybe doesn't need it in the first place.

I farm 1,600 acres in or right next to the Wheaton North study area. If we can not aerial spray within a few miles of the OTH-B I could not spray any of my land for a year like 1986 it would have been a disaster! I raise about 100 acres of sugar beets, 500 of wheat, 500 soybeans and 300 barley.

In 1982 I had an unintentional skip of herbicide, or weed killer in my sugar beet field. It was only about 1/4 acre. My agronomist from Min-Dak Farmers Co-op. (Sugar Beet Plant) wanted to make a test plot out of it and he did. About Oct. 1st he took a yield check on it and the results were unbelievable! The untreated area had a 60% crop loss with transfers to over a \$300.00 per acre loss for one herbicide application miss or about \$60,000.00 on my beet crop alone, if it would have been on the whole acreage. This field was not heavily infested with weeds either

This shows how important timely application of herbicides are on sugar beets, and some of the other crop as well. In other crops the dollars per acre would be less because of total value of crop but the per cent of loss would be about the same if it could not be timely sprayed.

If we cannot aerial spray close to OTH-B what compensation does the Air Force have for us? Us farmers cannot stand a crop loss like this even 2 or 3 years out of 10. We have had 2 in the last 4 already. I am sure the Air Force has not done a study on the economic effect it would have on adjoining land or come up with a crop loss payment for them!

There are many more questions on this OTH-B system. I don't believe it should be in a populated farming area for Economical, Environmental, Geological, physiological, and health reasons.

Sincerely Yours,
Jerry Berger
Jerry Berger
R. 1, Box 34
Norcross, Mn. 56274

WILLIAMS, NITZ, KREKELBERG & STRINGER
ATTORNEYS AT LAW

W. EARL WILLIAMS
RICHARD F. NITZ
CHARLES A. KREKELBERG
THOMAS M. STRINGER
JOHN A. HATLING

P.O. Box 177
213 SOUTH MILL STREET
FERGUS FALLS, MINNESOTA 56537
(218) 739-4821
P.O. Box 393
PELICAN RAPIDS, MINNESOTA 56572
(218) 863-8851

REPLY TO

Fergus Falls

OFFICE

December 4, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

RE: OTH-B (Over-the-Horizon Backscatter)
Traverse County, Minnesota

Dear Lt. Brown:

Traverse Co. Citizens Against OTH-B Radar is an association of citizens of Traverse County, Minnesota. The association and its members have consulted with me regarding suspected inadequacies to date in the environmental impact statement process, including probable violations of the 1969 National Environmental Policy Act, the Environmental Quality Improvement Act of 1970, as amended, the Clean Air Act, as amended and various rules and regulations pursuant thereto. Enclosed herewith is a summary statement which identifies the problem or violation and cites the relevant sections from 40 CFR, Ch. V.

I ask, for this association, that the concerns set forth in this letter and its enclosure be reviewed and considered by you and others involved in the site selection process.

I also again request that you provide to me direct notice of the decision on site selection. Thank you.

Very truly yours,

Thomas M. Stringer

cc: Senator David Durenberger
Senator Rudy Boschwitz
U. S. Representative Vin Weber
Col. James A. Lee

Enclosure

bjm

1969 National Environmental Policy Act

1502.1 Purpose

§ 1502.1 Purpose.

The primary purpose of an environmental impact statement is to serve as an action-forcing device to insure that the policies and goals defined in the Act are infused into the ongoing programs and actions of the Federal Government. It shall provide full and fair discussion of significant environmental impacts and shall inform decision-makers and the public of the reasons why alternatives which would avoid or minimize adverse impacts or enhance the quality of the human environment. Agencies shall focus on significant environmental issues and alternatives and shall reduce paperwork and the accumulation of extraneous background data. Statements shall be considered, and to the extent possible, shall be prepared by the Federal agency which has made the preliminary analysis. A summary environmental statement is more than a disclosure document. It shall be used by Federal officials in conjunction with other relevant material to plan actions and make decisions.

1502.8 Writing

§ 1502.8 Writing.

Environmental impact statements shall be written in plain language and may use appropriate graphics so that decision-makers and the public can readily understand them. Agencies should employ writers of clear prose or editors to write, review, or edit statements, which will be based upon the analysis and supporting data from the natural and social sciences and the environmental design arts.

VIOLATION:

We feel the DEIS did not fully and fairly address impacts to:

- (1) displacing farm families;
- (2) devaluation to adjacent farmland;
- (3) long-term health risks to families living near exclusion fence;
- (4) severe restrictions on aerial crop spraying aircraft.

VIOLATION:

- (1) Maps in DEIS were not clear, concise. No county, township, section numbers given.
- (2) Maps are outdated -- 1975.

1504.14 Alternatives including the proposed action

VIOLATION:

§ 1504.14 Alternatives including the proposed action.

This section is the heart of the environmental impact statement. Based on the information and analysis presented in the sections on the Affected Environment (§ 1502.15) and the Environmental Consequences (§ 1502.16), it should present the environmental impacts of the proposal and the alternatives in comparative form, thus sharply defining the issues and providing a clear basis for choice among options by the decisionmaker and the public. In this section agencies shall:

- (a) Rigorously explore and objectively evaluate all reasonable alternatives, and for alternatives which were eliminated from detailed study, briefly discuss the reasons for their having been eliminated.
- (b) Derive substantial treatment to each alternative considered in detail including the proposed action so that reviewers may evaluate their comparative merits.
- (c) Include reasonable alternatives not within the jurisdiction of the lead agency.
- (d) Include the alternative of no action.
- (e) Identify the agency's preferred alternative or alternatives. If one or more exist, in the draft statement and identify such alternatives in the final statement unless another law prohibits the expression of such a preference.
- (f) Include appropriate mitigation measures not already included in the proposed action or alternatives.

Alternatives briefly mentioned on p. 2-28 (sec. 2.2) DEIS.

1502.16 Environmental consequences

VIOLATION:

The impact of taking 4,000 acres of prime farmland out of production indefinitely (at least 25 years if land was leased; permanently if land was purchased) was not adequately addressed. Farmland is a depletable resource.

§ 1502.16 Environmental consequences.

This section forms the scientific and analytic basis for the comparisons under § 1502.14. It shall consolidate the discussions of those elements required by sections 10213(c)(1), (ii), (iv), and (v) of NEPA which are within the scope of the statement and as much of section 10213(c)(iii) as is necessary to support the comparisons. The discussion will include the environmental impacts of the alternatives including the proposed action, any adverse environmental effects which cannot be avoided should the proposal be implemented, the relationship between short-term uses of man's environment and the maintenance and enhancement of long-term productivity, and any irreparable or irretrievable commitments of resources which would be involved in the proposal should it be implemented. This section shall not duplicate discussions in § 1502.14. It shall include discussions of:

- (a) Direct effects and their significance (§ 1500.8).
- (b) Indirect effects and their significance (§ 1500.8).
- (c) Possible conflicts between the proposed action and the objectives of Federal, regional, State, and local (and in the case of a reservation, Indian tribe) land use plans, policies and controls for the area concerned. (See § 1500.3(d).)
- (d) The environmental effects of alternatives including the proposed action. The comparisons under § 1502.14 will be based on this discussion.
- (e) Energy requirements and conservation potential of various alternatives and mitigation measures.
- (f) Natural or depletable resource requirements and conservation potential of various alternatives and mitigation measures.
- (g) Urban quality, historic and cultural resources, and the design of the built environment, including the reuse and conservation potential of various alternatives and mitigation measures.
- (h) Means to mitigate adverse environmental impacts (if not fully covered under § 1502.14(f)).

(49 FR 48994, Nov. 29, 1984; 49 FR 871, Jan. 3, 1984)

1502.19 Circulation of the environmental impact statement

VIOLATION:

- (1) Affected township boards (local agencies) were not furnished with DEIS.
- (2) Affected landowners were not furnished with DEIS.

§ 1502.19 Circulation of the environmental impact statement.

Agencies shall circulate the entire draft and final environmental impact statements except for certain appendices as provided in § 1502.18(d) and unchanged statements as provided in § 1503.4(c). However, if the statement is unusually long, the agency may circulate the summary instead, except that the entire statement shall be furnished to:

- (a) Any Federal agency which has jurisdiction by law or special expertise with respect to any environmental impact involved and any appropriate Federal, State or local agency authorized to develop and enforce environmental standards.
 - (b) The applicant, if any.
 - (c) Any person, organization, or agency requesting the entire environmental impact statement.
 - (d) In the case of a final environmental impact statement any person, organization, or agency which submitted substantive comments on the draft.
- If the agency circulates the summary and thereafter receives a timely request for the entire statement and for additional time to comment, the time for that requestor only shall be extended by at least 15 days beyond the minimum period.

1502.22 Incomplete or unavailable information

§ 1502.22 Incomplete or unavailable information.

When an agency is evaluating significant adverse effects on the human environment in an environmental impact statement and there are gaps in relevant information or scientific uncertainty, the agency shall always make clear that such information is lacking or that uncertainty exists.

(a) If the information relevant to adverse impacts is essential to a reasoned choice among alternatives and is not known and the overall costs of obtaining it are not exorbitant, the agency shall include the information in the environmental impact statement.

(b) If (1) the information relevant to adverse impacts is essential to a reasoned choice among alternatives and is not known and the overall costs of obtaining it are exorbitant or (2) the information relevant to adverse impacts is important to the decision and the means for obtaining it are beyond the state of the art, the agency shall weigh the need for the action against the risk and severity of possible adverse impacts were the action to proceed in the face of uncertainty. If the agency proceeds, it shall include a worst case analysis and an indication of the probability or improbability of its occurrence.

VIOLATION:

Statements in DEIS are not concise as to health risks from exposure to PFR (radiofrequency radiation). The OTH-B system was/has not been tested in a populated area over a long term. East Coast system is forestland -- not inhabited. Only one of three sectors is not operational.

West Coast system is on fed. govt. land; not yet constructed/tested.

How can Air Force state that this system is safe when no long-term study is available on RFR from the OTH-B?

1502.25 Environmental review and consultation requirements

§ 1502.25 Environmental review and consultation requirements

VIOLATION:

Farmland Protection Policy Act P.L. 97-98 was not cited.

1506.6 Public involvement

VIOLATION:

(1) DEIS was not readily available to the public. According to the DEIS distribution list, only 16 copies were sent to the Wheaton area. We had to call Hanscom AFB in Massachusetts to request a copy.

(2) Public notice was given as to meetings and hearing, but no specific information was given as to ground rules for the hearing -- time limitations. At promptly 10 p.m. on 9/10/86, the date of our public hearing, the hearing's office closed/adjourned our hearing. Only 4 (39) of the registered speakers were able to give their oral statements.

§ 1506.6 Public involvement. ^{1/15}
 Agencies shall:
 (a) Make diligent efforts to involve the public in preparing and implementing their NEPA procedures.
 (b) Provide public notice of NEPA-related hearings, public meetings, and the availability of environmental documents so as to inform those persons and agencies who may be interested or affected.

1506.5 Agency responsibility

VIOLATION:

Colonel James Lee stated on 6/12/86 at the 2 p.m. meeting with members of the Wheaton Industrial Development Commission and a small group of area landowners that "he will make sure area farmers are talked to to find out exactly what economic impact the loss of cropland will mean to this area if selected." (Quoted from 6/19/86 Wheaton Gazette).

The fact is that contact was NEVER made with any farmers and consequently the area farmers had no input into the economic impact this radar installation would have in our rural area. Thus, the issue was not addressed in the DEIS. Stanford Research Institute of CALIFORNIA provided their facts/figures... but not farmers of Traverse County, MN.

VIOLATION:

The MITRE Corporation of Bedford, Mass. was a reference for much of the information in DEIS. MITRE Corp. is defined on p. G-4 of DEIS as an "Air Force contractor." This would indicate that they do have a financial/other interest in the outcome of the project.

(3) In the case of an action with effects on the quality of local concerns the notice may be given by:
 (i) Notice to State and area-wide clearinghouses pursuant to OMB Circular A-95 (Revised).
 (ii) Notice to Indian tribes when effects may occur on reservations.
 (iii) Following the affected State's public notice procedures for comparable actions.
 (iv) Publication in local newspapers (in papers of general circulation rather than legal papers).
 (v) Notice through other local media.
 (vi) Notice to potentially interested community organizations including small business associations.
 (vii) Publication in newspapers that may be expected to reach potentially interested persons.
 (viii) Direct mailing to owners and occupants of nearby or affected property.

VIOLATION:

The three proposed study areas in Traverse County were known by the Air Force at the March 1 meeting and June 12 meeting. But weren't revealed until late Aug.-early Sept. when a few Trav. Co. residents received their DEIS. The Air Force certainly could have released the actual study area locations at least 6 months earlier than they did.

Direct mailings of notice to owners/occupants of nearby or affected property were not made.

St. V. B. Brown
ESD/SCD

Memorandum AFSCME 01731

Dear St. Brown:

Because of the opposition to the OTH-B in Traverse County, Minn.; why is it not possible to use a different site than Grand Forks for your base building? If you could acquire a plot of land in a remote area - first positioning your transmit sites which requires the most land; then place your base building said number of miles from the transmit and receiver sites.

If the air force chose an area west of the Red River Valley to construct the entire structure, our prime farm land would not be affected, our farmers would not lose our land, our families would be able to continue farming, and if there is radiation, it would not endanger all of us. Rapid City, S.D. is an example of such an area.

Please - give this option your utmost attention!! We want our farms saved!

C: Rudy Boshuizen
Dave Duembgen
V. W. Weber
James A. Lee
Dr. Spang & Everett
Frank Brown (rep)

Every concerned citizen's mother.

Margie Inrich
RR Box 644
Dumont, Minn.
56236

over

The Rapid City air base I'm referring to is huge - why couldn't the radar base building be constructed in this area and transmit and receiver sites placed within said number of miles from it in that area? The population is much less and it is not prime farm land!

I would like an answer to my question!

Margie Inrich
RR
Dumont, Minn. 56236

Dumont, Minn.
11-22-86

RECEIVED
NOV 24 1986

G3

RECEIVED
NOV 20 1986

December 4th 1986

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA
01731

My name is Jessica Mathias. I am 12 years old. My family and I live on a farm near the proposed Wheaton S.E. study area for the OTH-B transmitter. I have lived here all of my life and I want very much to grow up here. If the Air Force does install this radar in our area, my family and I, along with many others, will be forced to move from our homes.

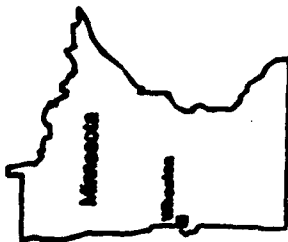
Please find a more suitable, unpopulated site for this radar system. We want to stay here, in

OVER

Traverse County, Minnesota.

Sincerely,

Jessica Mathias
Route 1, Box 104
Wheaton, Minnesota
56296



**Traverse Co. Citizens
AGAINST
OTH-B Radar**

WHEATON, MINNESOTA 56296
December 4, 1986



Lieutenant V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B radar transmitter proposed
for Traverse County, Minnesota
Lieutenant Brown:

Enclosed please find Resolution from Windsor Township of Traverse County, Minnesota, opposing the radar installation in our area. This resolution should be added to those township resolutions sent earlier, and should become a matter of record and be published in the Final Environmental Impact Statement.

The record should indicate that, to date, thirteen of the fifteen townships in Traverse County, Minnesota, are opposed to the OTH-B radar transmitter in our county.

Sincerely,

TRAVERSE COUNTY CITIZENS AGAINST
OTH-B RADAR

By: *Marilyn Mathias*
Marilyn Mathias
Route 1, Box 104
Wheaton, MN. 56296

Enclosures

Resolution

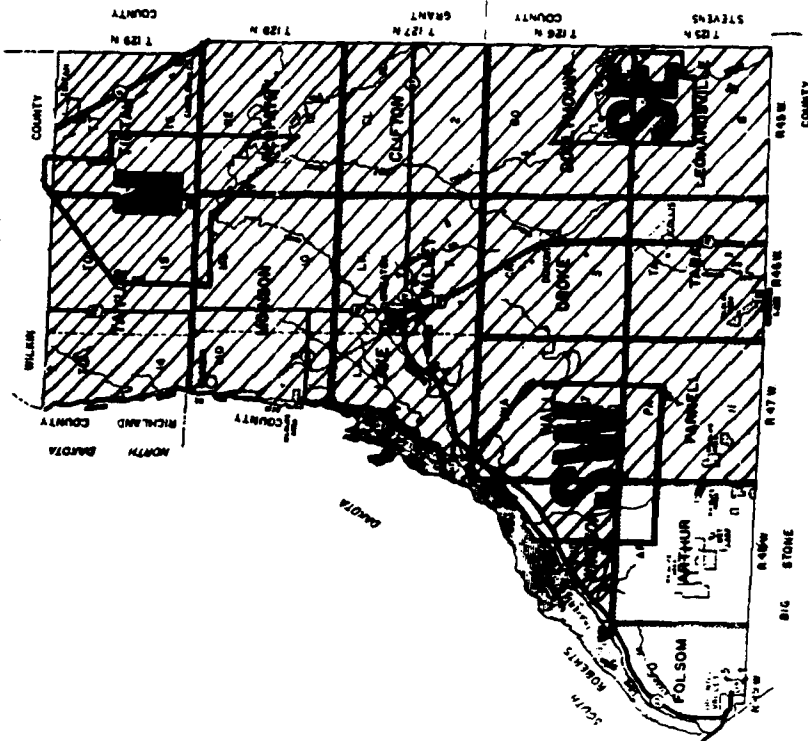
Because of concerns about the loss of tax base and possible health risks to our citizens, the loss of wild life and its habitat, the Board of Windsor Township has resolved not to allow construction of the Over The Horizon Transmitter Site within the boundaries of Windsor Township.

Windsor Town Board

47C

G6, G8

**TRAVERSE COUNTY
MINNESOTA**



**OPPOSITION TO
OTH-B Radar**

- * TAYLOR
- * TINTAH
- * MONSON
- * REDPATH
- * LAKE VALLEY
- * CLIFTON
- * WALLIS
- * CROKE
- * CITY OF DUMONT
- * DOLLYMOUNT
- * PARNELL
- * TARA
- * LEONARDSVILLE
- * WINDSOR



TOWNSHIP
RESOLUTION
OPPOSING
OTH-B RADAR
HAS BEEN
PASSED

Dated: 12/4/86

MATHIAS AERIAL SPRAYING SERVICE

RR 1 Box 104
Wheaton, Minnesota 56396

December 4, 1986

G6

DEC 8 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B radar transmitter

Lieutenant Brown:

We strongly oppose the proposed OTH-B radar transmitter in Traverse County, Minnesota.

Several thousands of acres would be in a restricted airspace zone which would prohibit aerial spraying. In addition, ferrying time and expense would be considerably increased for fields located on opposite sides of restricted area from my airstrip.

We do not believe that the U.S. Air Force would shut down any sector of the \$600 million transmitter (as Colonel Lee stated on September 11, 1986) so that the field in the restricted area could be aerially sprayed. Timing of application of chemicals along with favorable weather conditions are most critical. Having been in the aerial spraying business for 21 years, I know it is impossible to schedule any spraying applications in advance.

Locating the OTH-B radar transmitter in any of the three proposed study areas in Traverse County would have a seriously negative impact on our aerial spraying business. Several of our customers live in the Wheaton S.W. area, which is only 3 miles from the Wheaton municipal airport. The Wheaton N. site raises warabeets which require several applications of fungicide annually. The Wheaton S.E. site is where my family and I live and it borders my personal airstrip. This airstrip should be indicated at SW 1/4 Sec. 15, Dollymount Township, in the final EIS. It is currently of record with the Federal Aviation Administration.

We request that this letter become of record and be published in the final environmental impact statement.

MATHIAS AERIAL SPRAYING SERVICE

By: Rick Mathias
Rick Mathias

John Mathias
JOHN MATHIAS

G2, G3, G6, G8

12-3-86

Lt. V. G. Brown

ESD/SCO

Hanscom AFB, MA 01731

DEC 11 1986

RE: OTH-B radar transmitter
Hanscom AFB, MA 01731

Mathias:

May it be known we object to the construction of the OTH-B radar transmitter in Backscatter Radar Transmitter in Deane Co, Minnesota. We feel it is a definite health hazard. Let the value of our government land and be built plus the fact we will have to absorb the expense caused by the low to our area. We will understand the reason for the long period of land needed in the time of aerial spraying etc. for something supposed to be out dated even before construction.

Yours Truly,
Rick Mathias
John Mathias

Wheaton, Minn
Nov 11 1986

Colonel Lee AFESD
Hanscom Air Force -
Dear Colonel Lee -

This is to inform you that I am very much opposed to the construction of an OTHB radar transmitter in Traverse County Minn. I am sure you are aware of the many precedents. Please hold to your plan.

Sincerely,

Nebel Winter
R.R. 3 Sures Co
Wheaton Minn.

RECEIVED
15 DEC 86

56 296

Senator Hurrenberger Dist.

Dec 14, 1986
H & Electronic Systems Div.
OTH-B Systems Program OFFICE
Hanscom AFB, MA. 01930
DEC 23 1986

Dear Mr. V. N. Brown

There is to let you know that our family is for the proposed N. S. Air Force OTHB Central Radar Systems in Prairie County, Wheaton, Minn. Area.

I am a world war II veteran, retired from farming, living in Wheaton, with my wife Mrs. Don an Air Force, Vietnam war veteran farmer 7 miles south east of Wheaton, Minn. with his wife and 3 small children.

We all feel the defense of our country comes first. We were reminded again, just a week ago, of the surprise attack on Pearl Harbor 45 years ago.

Those against the project claim it is not needed and is a threat beyond. If that were true we have much more to worry about than the Russians.

Sincerely
Edward M. Welch
Wheaton, Minn.

Mr. V. N. Brown
Hanscom AFB
MA 01930

4.2.4 South Dakota

Letters were received from:

Harry R. Gainor, Milnor, ND
Don and Shirley Litch, Langford, SD
Keith Schmidt, Roslyn, SD
Edna L. Wagner, Andover, SD
Harold Wells, Houghton, SD
Tom W. Jones, Sr., Langford, SD
George Hanson, Chairman, Marshall County Commission, Britton, SD
Kathy Cavanaugh, Degraff, MN
Linda L. Steele, Aberdeen, SD
Ruby A. Lamberton, Webster, SD
Arnold Anderson, Chairman, Day County Commission, Webster, SD
Richard Symens, Chairman, Weston Township Supervisors, Claremont, SD
Milo Olson, Chairman, Farmington Township Supervisors, Langford, SD
Philip W. Morgan, Britton, SD
Richard Wismer, Britton, SD
G. Carol Anderson, Rapid City, SD
Brad Okrina, Administrator, Northeast Economic Development Association
of South Dakota, Aberdeen, SD
Robert Wigdahl, Chairman, Newport Township Supervisors, Langford, SD
Rocky Hartberg, Langford, SD
Eugene Prunty, Andover, SD
Gil Gullickson, Brookings, SD
Donald D. Jarrett, Britton, SD
G. Carol Anderson, Rapid City, SD
DeLores B. Henahan, Mayor, Britton, SD
Vance Hemen, Britton, SD
Henry J. Knapp, Engineering Manager, Missouri Basin Municipal Power
Agency, Sioux Falls, SD
Mrs. George Smeins, Langford, SD
Roy A. Pulfrey, Aberdeen, SD
Frank L. Farrar, Britton, SD
Mr. & Mrs. Gilbert Bistadeau, Claremont, SD
Sherman L. Olson, Langford, SD
Florence Krieger, Rapid City, SD
Lilas Riley, Faulkton, SD
Bruce A. Likness, Langford, SD
Mrs. George Smeins, Langford, SD
Clifford F. Olson, Britton, SD
Donald T. Jondahl, Langford, SD
Jesse B. West, Langford, SD
Jerry E. Bennett, Fullerton, CA
Bruce A. Likness, Town President, Langford, SD
Keith S. Anderson, Britton, SD
The Kenneth Frey Family, Claremont, SD
Janet Frey, Claremont, SD
Ricky Cole & Family, Langford, SD

DeLores B. Henehan, Mayor, Britton, SD
Mr. and Mrs. Vincent Malm and Leslie Malm, Langford, SD
Betty Beck, Hecla, SD
Terry T. Johnson, President, Britton Chamber of Commerce, Britton, SD
Mrs. Duane (Marlys) Torguson, Andover, SD
James Wigdahl and Rick Cole, Langford, SD
G. Carol Anderson, Rapid City, SD



HARRY R. GAINOR
MILNOR, NORTH DAKOTA 58060

RECEIVED
SEP 15 1986

Sept. 15, 86

St. V. & Brown
ESD / SCO
Hanscom AFB, Mass 01731

Dear Sir:

I read with interest about the proposed radar installation near Whiston, Ma.
I would propose an alternative to the Ma. site.

I have some 2400 acres in eastern S.D. that I would sell. This is lower priced land, less densely populated & I am positive there would be less opposition to the project in S.D.

The proposed S.D. land is rolling type land but the location is not all that much greater distance from the Tom Coten.

If you have any interest in the S.D. land now or in the future, you can contact me.

Sincerely

Harry R. Gainor

Box 11

Milnor, ND. 58060

HARRY R. GAINOR

Box 11

MILNOR, N.D. 58060

Langford S.D.
Sept 16 1986

RECEIVED
SEP 16 1986

Dear Sirs,

We are approaching retirement age and have 246 acres available for your project. We know that's only 10%, but may be more would go in the area.

Dis:

Sisston Township 125N Sec 9 Range 59W.
Land is in sec 7 9 miles North east of Langford S.D.

Thos Kyu, Shirley Kuhn
1100 E. Box 132 57454
RD 1, S.D.

127 Sep 86

September 15, 1986

Lt. V. J. Brown
EFD-500
Hanscom AFB, MA 01731

Lt. Brown:

Being a member of the Roslyn town board and development corporation, I am writing in regards to the site for the Backscatter Radar Transmitter.

Our town is located approximately 30 miles east of Langford and we would be very interested in having our community in consideration for the radar site. I have spoken to area farmers and other people in the community and all response on the project has been very acceptable.

We would appreciate any inquiries as to our community and surrounding area as to the acceptability for the construction of the site in our area.

Thank you.

Neil Schmidt

Keith Schmidt
Box 153
Roslyn, SD 57261

KS:m

4-351

127 Sep 86

Sept 17, 1986

Attn: Lt. V. J. Brown
Hanscom AFB
Maine

G3, G6

Dear Lt. Brown:

I was unable to attend the meeting at Langford due to our very commitment. I still want to express my appreciation to the Radar site of the Backscatter Radar system. Once the Radar Backscatter Radar system is in place, it will be very important of this system being located there and taking the land and making it tax free when this area depends solely on taxes to support our schools and our small towns. We just got through fighting the Mountain line and now we have the threat upon us. Why take this area? It is an ideal instead of protecting the farmers to keep them in the place as a big brother to stay in the job of producing food for our nation. There is also a historical site, Shrewsbury Shillings farm that we intend to protect. Respectfully yours,
Gene Wagner

166

RECEIVED
 10/26/50
 Broughton, S. D.
 September 17, 1966

Lt. Gail Brown
 HIRSH Corp.

Dear Lt. Brown:

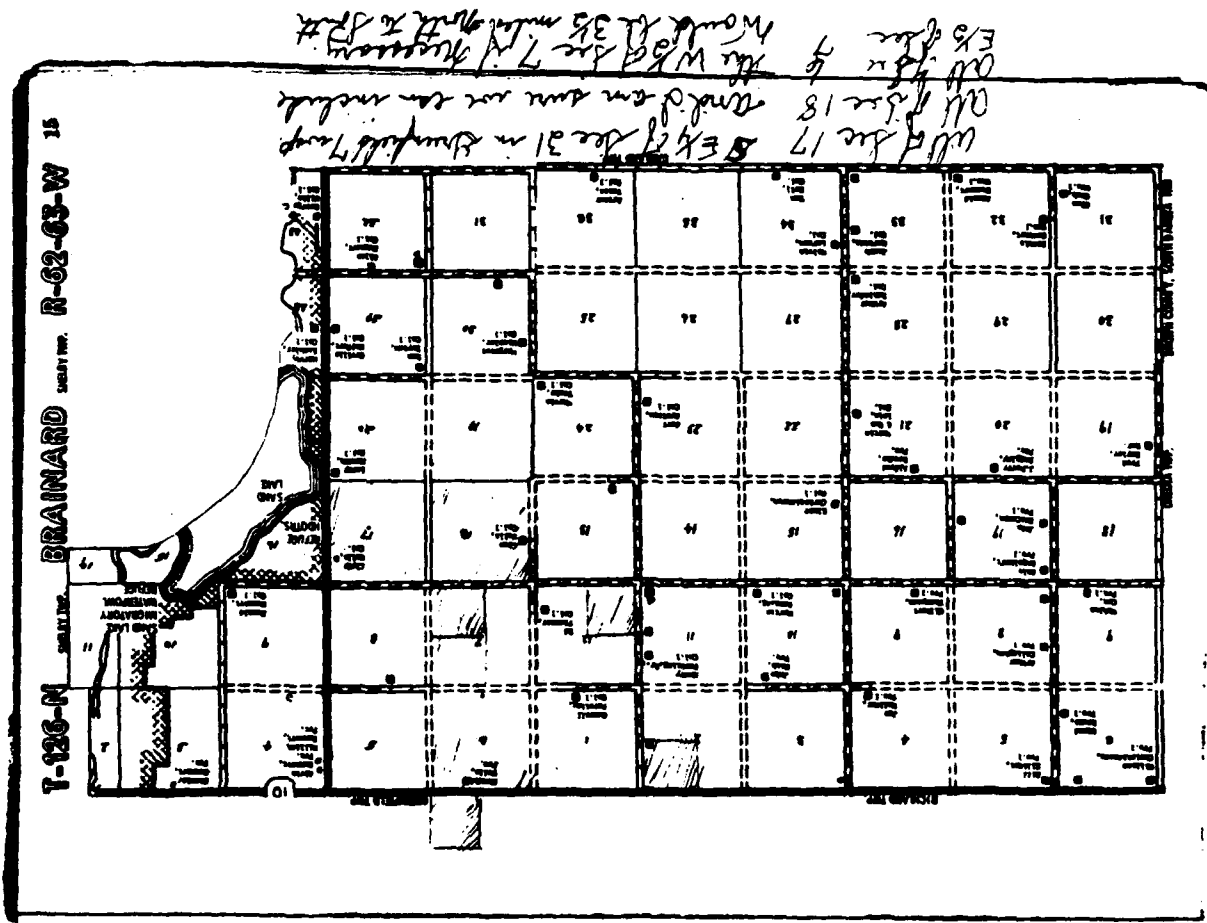
I am enclosing the maps of the South Dakota land for the Madar installation which I called you about. The one map is a detail map of Brainerd Township, Brown County, South Dakota. The second one is a South Dakota map, to show you where it is located within the state.

If this property would meet your criteria, I am sure we could work out the details without any trouble.

I will appreciate hearing from you.

Sincerely

Harold Wells
 Box 29
 Broughton, S. D. 57149
 Telephone 885-6376



RECEIVED
NOV 10 1946

Sept. 23, 1946

Lt. W. H. Brown
U.S. Air Force
Dear Sir,

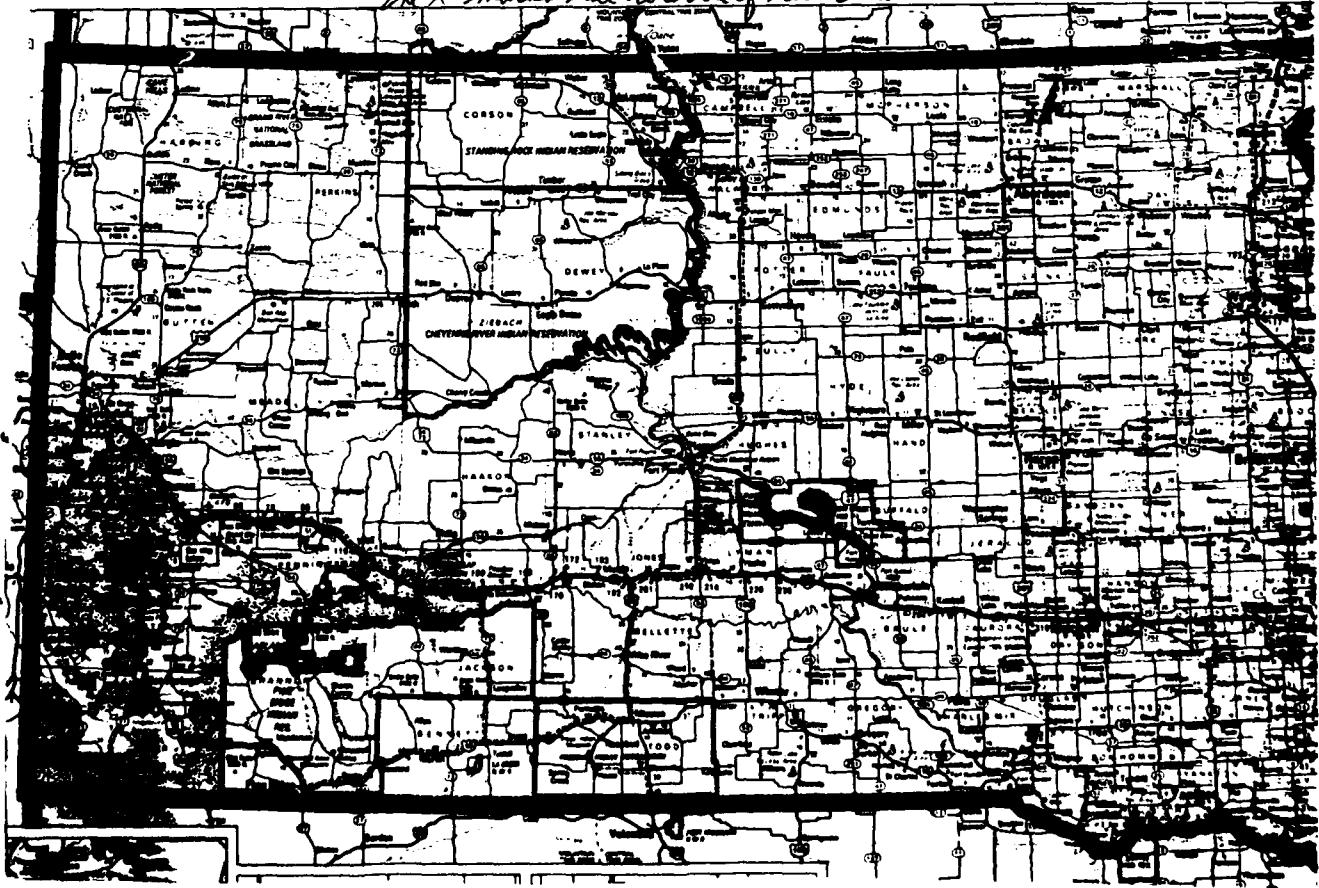
I wish to sell my
160 acre farm to the U.S. Air Force,
for the Central Radar Station, in
the Springfield, Vermont, Vermont area.
Location Farmington Top. Map Co. D.
S.E. 1/4-12-124 N-59-W.

The Government already owns
the W. 1/2 of 12 by way of T.H.A.
Sorry, I couldn't attend the
meeting at Springfield, I'm strongly
for the Project.

Thank you

Tom W. Bond Sr.
Springfield, Vt.
R.R. 1-Box 53
59454

The X marks the location of the land



RECEIVED

RESOLUTION # _____ G4, G6

WHEREAS, the United States Air Force is proposing to construct the Central Radar System; and

WHEREAS, one potential location for the Central Radar System includes portions of Brown, Day, and Marshall Counties, South Dakota; and

WHEREAS, the construction of the Central Radar System involves taking approximately 2,400 acres of land out of agricultural production and off the tax rolls if land is sold to the United States Air Force for the Central Radar System; and

WHEREAS, Marshall County is interested in maintaining the tax base in order to provide services to County residents; and

WHEREAS, County governments in South Dakota have limited authority to raise revenues and are largely dependent upon property taxes;

NOW, THEREFORE, BE IT RESOLVED that Marshall County requests the United States Air Force to consider leasing land for the Central Radar System so that the County's tax base may be maintained, unless it is the desire of affected property owners to sell their property to the United States Air Force for the Central Radar System.

ATTEST:

Marion Cusick
Marion Cusick, County Auditor

George Hanson
George Hanson, Chairman
Marshall County Commission

RECEIVED

G6

Lt. V. G. Brown
ESD-SOO
Hanscom AFB, MA 01731
Sept. 29, 1986
Re: Amherst Transmit Site
for OTH-B Radar

Dear Lt. Brown,

I was unable to attend the hearing held in Langford because of scheduling problems, but did want to forward my comments and express my concerns.

The proposed site includes my home farm site, now owned by my brother and myself, but he lives in Miss. so wasn't able to attend the hearing either. Our land is in sec. 22, Day county. I have just received and reviewed a copy of the analysis that was provided that night, and found it very complete.

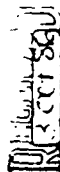
My main opposition is indeed selfish: I do not want to lose this land and all the benefits from being a land owner. In addition, my next concern is in regard to the environmental impact, especially on the wildlife in the area. The Sand Lake Refuge is in the major flyway, but your study seems to avoid the importance of that on the area. Our farm was always used as a feeding ground by birds using that flyway, and I would think this would cause significant interference with the proposed system. Hunting was at its peak when I grew up in that area, and I would like to see some efforts to restore that instead of hinder it. Also, if you take all of that proposed area out of production, you will create a desert like void in that area that will have a profound negative impact on the surrounding area for years to come. Our farmers are having enough problems now, lets not contribute anymore.

I am opposed to the proposed site, and am not willing to sell my land for such purposes.

Thank you for the opportunity to express my concerns.

Sincerely,

Kathy Cavanaugh
Kathy Cavanaugh
Box 221
Beddreff, MN 56233



September 21, 1986

Lt. Brown
ESD/SCD
Hanscom AFB
Bedford, MA 01731

References: Over the Horizon Back Scatter Radar Project

Subject: Site Proposal in Brown County, South Dakota

Dear Lt. Brown:

From a recent article in the Aberdeen American News, we became aware of the Government's search for a site for the location of a radar system. The article indicated that a search was being made in Brown County for a 2400 acre location. As the owner of a contiguous parcel with over 3500 acres, I wish to submit it for your consideration.

The parcel is located approximately 17 miles northwest of Aberdeen along the western border of Brown County. This is shown on the attached reference maps. The property consists of crop and pasture land that is basically flat, with the only topographical feature being a slight elevation change where a creek bed runs across part of the property. There is a farm house with storage buildings located towards the center of the property with two other storage buildings located to west of the house approximately one mile away. Water is available from three artesian wells with one located by the farm house and each remote storage building.

Access is by county roads along the majority of the boundaries, with the surfaces being all weather gravel except for the eastern and northern approaches which are asphalt. For the purpose of controlling travel through the property, the road that runs east/west through the property could be potentially eliminated as it has no outside land owners bordering the road. The people to the west have access from other routes.

The property is available at the price of \$100.00 per acre, which represents the average selling price of a combination of crop and pasture land. Any or all of the 3520 acres is available and we would entertain counter offers.

If you have questions or require additional information, please do not hesitate to contact me.

Sincerely,

Linda L. Steele

Linda L. Steele

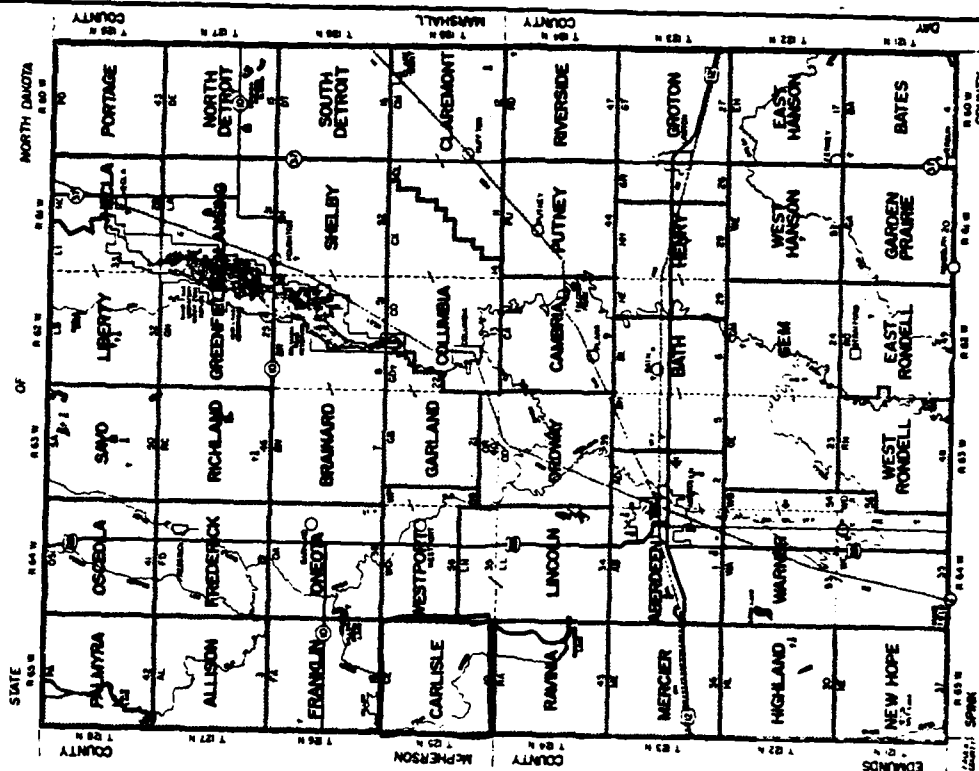
1312 N. Arch Street
Aberdeen, SD 57411
Home (605) 226-0632

SOUTH DAKOTA

COMPILED BY THE
MIDLAND ATLAS COMPANY, INC.
MILBANK, SOUTH DAKOTA

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MAP INDEX: Page Numbers and Code Letters are listed with Townships.



RECEIVED
304 SEP 1986

McIntyre, L.D.

Sept. 27, 1986

Lt. V. G. Brown, ESD - SCO

Hanscom AFB,

MA 01731

Dear Sir,

We were unable to attend

the meeting held at Langford.

We have 1 quarter of land in

N. W 14 in Newport Sup.

If this is accepted for

radar, we would prefer to

lease it instead of selling.

Yours Truly,

Lucy Landon

P.S. This arrives a lease

for 1986-87.

4-357



NORTHEAST COUNCIL OF GOVERNMENTS

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AS

FILED

SEP 19 1986

MAVIS WIK
COUNTY AUDITOR

TO: Day County Commission

FROM: Becky Johnston, Executive Director

RE: Resolution on leasing land for the Central Radar System

DATE: September 18, 1986

The US Air Force held a public hearing on the Central Radar System in Langford on September 11, 1986. The public hearing reviewed the Draft Environmental Impact Statement for the proposed Central Radar System. South Dakota Representative Kent Frerichs, District 1, suggested that counties affected by the proposed construction of the Central Radar System consider adopting a resolution supporting leasing land that may be required for the proposed radar site. As some of you may recall, the Air Force has indicated that there would be no payment in lieu of taxes if land is sold to the US Government for this proposed system. By leasing the land, the County would be able to maintain their tax base.

I have enclosed two resolutions for your review and consideration. One resolution addresses leasing as the preferred option and the other resolution indicates that leasing is preferred UNLESS it is the desire of the individual property owner to sell their property to the US Air Force.

If the County wishes to support either of these resolutions, they must be submitted to the address listed below before October 6, 1986 for consideration by the Air Force.

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

Please contact me if you should have any questions.

Thank you.

Chairman, Ray Forkel - Vice Chairman, George Hanson - Sec. Treasurer, Floyd Gjernes - Executive Director, Becky Johnston

RECEIVED
AUG 8 1986

September 29, 1986

G6, G7

Lt. V. G. Brown
HQ Electronic Systems Division/SCO
OTR-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

We as Weston Township supervisors feel that you overlooked the economic impact of increased traffic on township roads when compiling the Environmental Impact Analysis Process (Draft Environmental Impact Statement - Proposed Central Radar System - Over-the-Horizon Backscatter Radar Program - August 1986). We are currently operating with insufficient funds and our mill-levy is at the highest limit under law. The increase of traffic on our township roads and the resulting maintenance of those roads will cause an extra financial burden on our township. A small annual fee to offset that burden, on a per-mile basis, should only be fair and would provide good public relations. It is NOT fair that a few people should be taxed to provide maintenance of roads for a system that benefits all the citizens of the nation.

We realize that you will build the necessary roads to and for the radar site and only are addressing the problem of maintenance of those roads under township jurisdiction after construction is completed.

Again, we feel that the impact study has not addressed the burden of extra maintenance due to increased traffic on township roads. Please address this issue in your study. Thank you.

Sincerely yours,

WESTON TOWNSHIP SUPERVISORS
R. R. #1, Box 72
Claremont, SD 57432

Richard Symons, Chairman
LGHido

Burton Rademacher
Dutch Rockman

Larry Nolan
Larry Nolan

G4, G6

RESOLUTION # 2

WHEREAS, the United States Air Force is proposing to construct the Central Radar System; and

WHEREAS, one potential location for the Central Radar System includes portions of Brown, Day, and Marshall Counties, South Dakota; and

WHEREAS, the construction of the Central Radar System involves taking approximately 2,400 acres of land out of agricultural production and off the tax rolls if land is sold to the United States Air Force for the Central Radar System; and

WHEREAS, Day County is interested in maintaining the tax base in order to provide services to County residents; and

WHEREAS, County governments in South Dakota have limited authority to raise revenues and are largely dependent upon property taxes;

NOW, THEREFORE, BE IT RESOLVED that Day County requests the United States Air Force to consider leasing land for the Central Radar System so that the County's tax base may be maintained, unless it is the desire of affected property owners to sell their property to the United States Air Force for the Central Radar System.


Arnold Anderson, Chairman
Day County Commission

ATTEST:


Maria White, County Auditor

RECEIVED
10/1/86

September 30, 1986

Lt. V. G. Brown
HQ Electronic Systems Division/SCD
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

We as Farmington Township supervisors, feel that you overlooked the economic impact of increased traffic on township roads when compiling the Environmental Impact Analysis Process (Draft Environmental Impact Statement - Proposed Central Radar System - Over-the-Horizon Backscatter Radar Program - August 1986). We are currently operating with insufficient funds and our mill levy is at the highest limit under law. The increase of traffic on our township roads and the resulting maintenance of those roads will cause an extra financial burden on our township. A small annual fee to offset that burden, on a per-mile basis, should only be fair and would provide good public relations. It is not fair that a few people should be taxed to provide maintenance of roads for a system that benefits all the citizens of the nation.

We realize that you will build the necessary roads to and from the radar site and only are addressing the problem of maintenance of those roads under township jurisdiction after construction is completed.

Again, we feel that the impact study has not addressed the burden of extra maintenance due to increased traffic on township roads. Please address this issue in your study. Thank you.

Sincerely yours,

FARMINGTON TOWNSHIP SUPERVISORS

Milo Olson
Milo Olson, Chairman

Orville Holler

Jim Ferguson

MLO:oo

HAMILTON BUILDING
POST OFFICE BOX 801

PHILIP W. MORGAN
ATTORNEY AT LAW
788 - 7TH STREET
BRITTON, SOUTH DAKOTA 57430

RECEIVED
OCT 18 1986

AREA CODE 605
PHONE 448-5863

October 6, 1986

Lt. V. G. Brown, USAF
ESD-SCD, Hanscom Air Force
Base, MA 01731

Dear Lt. Brown:

I am writing to you on behalf of Garrett Farms, Inc., a small South Dakota family farm corporation that owns 320 acres in Section 27, Township 125N, Range 59 West, Marshall County, South Dakota. The southwest corner of the land lies four miles due west of Langford, SD on Highway 16. (I am enclosing a copy of the Newport Township map which more clearly indicates the location.)

Garrett Farms, Inc. is interested in either selling or leasing their land for the radar site. The price would have to be negotiated and, if leased, the length of time as well. Also, it would have to be determined as to what would be done with the facility if located on the Garrett land when the lease terminated.

In general, however, Garrett Farms, Inc. is interested in working with you in this regard. As you will note their land lies in the general proximity of what has been described as at least one of the sites that you are interested in from your meeting that Colonel Lee held in Langford, SD a few weeks ago. We look forward to hearing from you in this regard. Please either contact my office or Mrs. Bonnie Thompson, President of Garrett Farms, Inc., who can be reached at P.O. Box 497, Britton, SD 57430 (605-448-5863).

Thank you. I remain,

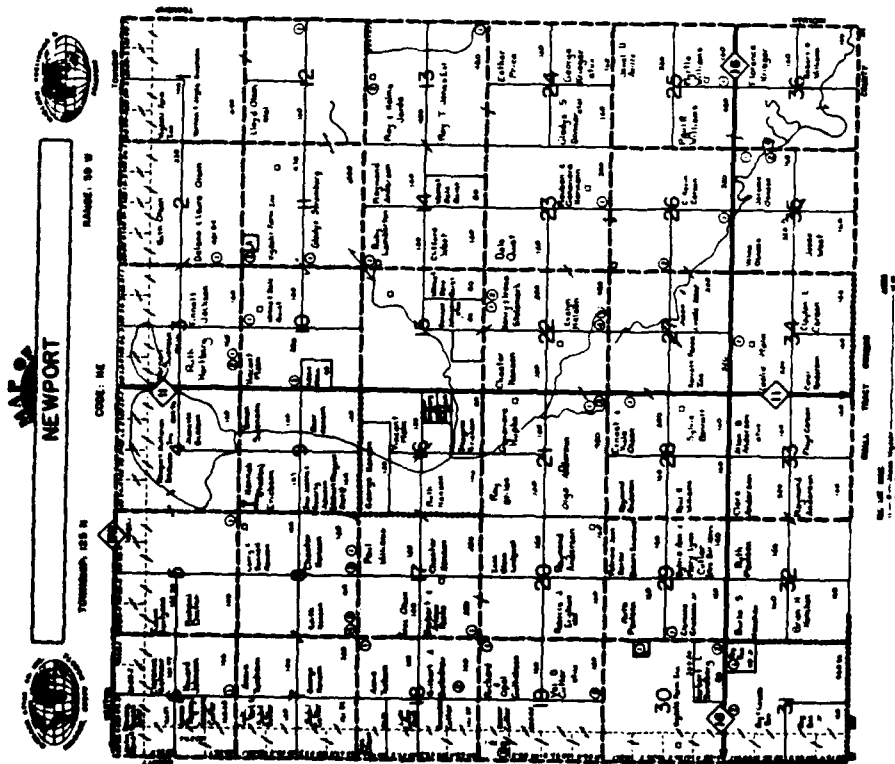
Cordially,

Philip W. Morgan
Philip W. Morgan

PWM/mk

Enclosure

cc: Mrs. Bonnie Thompson



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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14

4. G. Electronics Sys. Div./500
 OTH-B Systems Program Office
 AMN, Wale Brown
 Huntscom AFB, Mo. 01781-5000

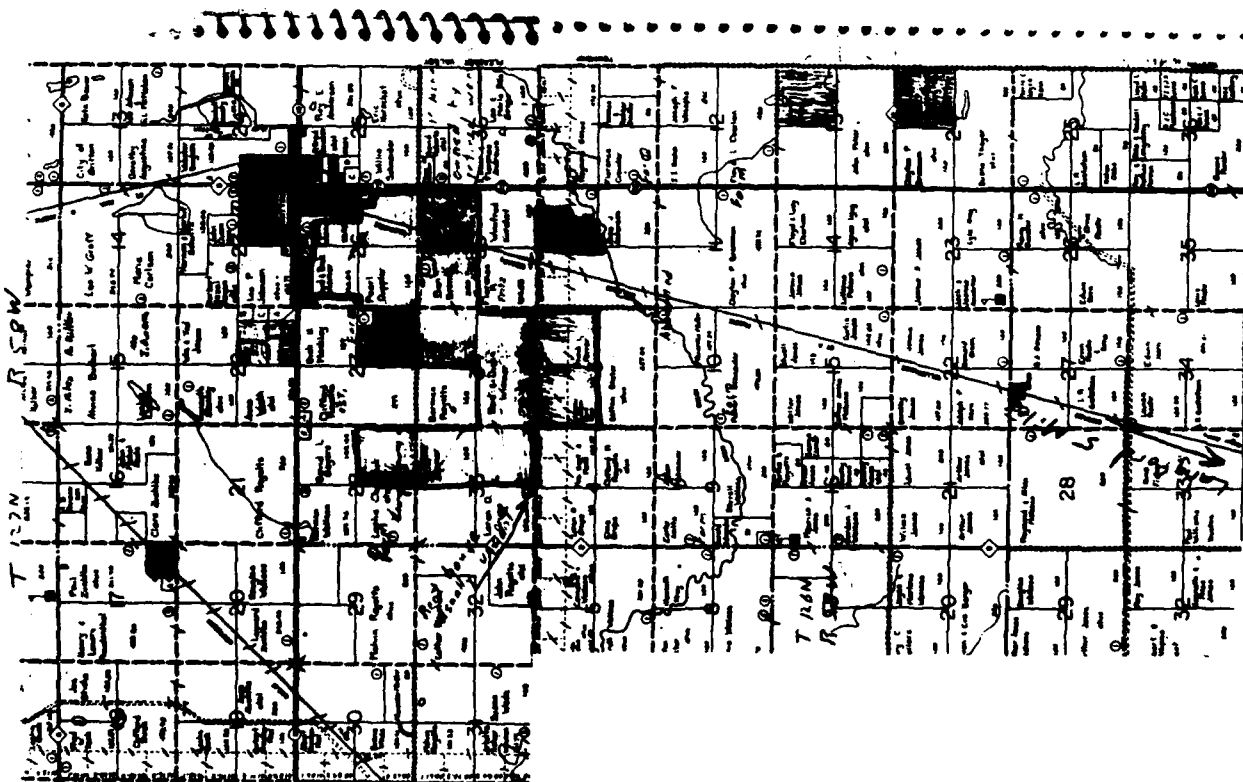
W. G. B. Bros. Inc.
 P. O. BOX G
 BILTON, S. D. 57430

To

10/13/86 SUBJECT: OTH-B Radar Langford S.D. Area,
 Dear Lt. Brown, Just so you have more choices, the
 enclosed plat shows our land outlined in red. The adjoining
 land is mostly rented from estates or out at state owners
 and should be easily acquired. Except for the one
 rental house in section 33, there are no farms in a
 2 1/2 x 2 1/2 mile square. There are grain bins but they
 can be moved, the land is flat with temporary paths.
 Our land would be for sale or lease but we
 would prefer a lease arrangement any part.

Yours truly,
 Richard E. Hanner

KWIR MEMO



RECEIVED
NOV 10 1986

2020 Stirling Street
Rapid City, SD 57702
17 October 1986

G3

OTH-B Central Radar System
Lt. V. S. Brown, ESCO
Hawcom AFB, WA 01731

Dear Lt. Brown,

I am writing in regard to the Over-the-Horizon Backscatter Radar system
transmitter site proposed for northeastern South Dakota.

I own land in Newport Township and this is part of that proposed site.

My land is Section 34 125 59, 160 Acres, Newport Township, Marshall
County, Langford School District. My brother, Floyd Carson is buying
from me the 160 Acres next to the above land. This is an inheritance
from my father and also an old homestead that belonged in the family.

This is some of the best land in South Dakota. I'm patriotic but I
don't like to see this good land taken for the radar site.

Please consider my objection.

Very sincerely,

Paul Anderson

S. Carol Anderson
2020 Stirling Street
Rapid City, SD 57702

Copies:

Mr. Floyd A. Carson, Langford, South Dakota
R. 1, Box 12, 57454

Mr. Jim Wiegand, Langford, South Dakota
RR 57454

October 17, 1986

HQ Electronic Systems Division/SC0
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

G4, G6

RE: Support for Selection of the Amherst Study Area as the OTH-B
Transmit Site

To Whom It May Concern:

The Northeast Economic Development Association (NEDA) was established in March, 1985 and incorporated as a regional economic development organization in June, 1986. Membership in NEDA is granted to any dues-paying city or town in northeastern South Dakota and each community is given the opportunity to be represented at NEDA's meetings. Presently, NEDA represents nineteen (19) communities located in the nine (9) northeastern South Dakota counties of Brown, Clark, Day, Edmunds, Faulk, McPherson, Marshall, Roberts and Spink. Community representatives to the corporation include elected officials, members of local development corporations, Chambers of Commerce and Commercial Clubs, as well as interested citizens willing to get involved in the economic development process.

NEDA's purpose is to strengthen the economic base of northeast South Dakota by encouraging economic growth and development through promotion, education and the sharing of information relative to that growth and development. NEDA will also address and comment on issues which it deems economically important to our region. Thus, we feel it is within the scope of our organization to comment on the Over-the-Horizon Backscatter Radar System's Draft Environmental Impact Statement.

Based on the information presented at the public hearing held at Langford, South Dakota, and from the information published by the United States Air Force, the comments made herein assume the following to be true concerning the OTH-B System:

1. Construction employment would average approximately 100 people during the five-year construction period. Construction would fluctuate from fifty (50) people in the initial and final construction phases, to about two hundred fifty (250) people during peak construction activity.
2. Approximately thirty (30) people would be employed at the proposed site. Approximately ten (10) of these people may be non-military, locally hired individuals.

OTH-B Comments/NEDA
Page 2

3. The OTH-B transmit site would not pose health or safety risks to local residents.
4. The necessary acreage for the OTH-B transmit site will be secured on a purchase and/or lease basis from the Amherst Study Area land owners, in the manner which will be the least disruptive to those land owners and negotiations will be conducted in "good faith."

NEDA recognizes the economic benefits the OTH-B radar site would have for our region and, by a unanimous vote at our October 15, 1986 meeting, I was directed to send this letter of encouragement and support for the selection of Amherst Study Area land for the OTH-B radar transmit site. We feel that any foreseeable problems could be minimized or eliminated if certain procedures and practices are followed.

To minimize the problem of potential revenue loss to townships and counties resulting from the removal of taxable land from the tax base, we would suggest that the land necessary for the project be leased from land owners if at all possible. Land acquisition should be pursued only after all the possibilities for leasing have been exhausted. We also suggest that the acquisition of land by condemnation be done only as a last resort to a minority of land owners involved.

It is further suggested that displaced land owners be given preference for employment at the transmit site. Skills training, if needed, could be provided by the U.S. Air Force or by State of South Dakota agencies, depending upon the type and complexity of training involved.

Finally, I would like to reaffirm NEDA's support and assistance for locating the OTH-B radar transmit site within the Amherst Study Area. Please feel free to contact me at (605) 229-4740 if you have any questions or comments.

Very Cordially,

Brad Okrina

Brad Okrina
Administrator
Northeast Economic Development
Association of South Dakota
405 8th Ave N.W.
Suite 201
Aberdeen, SD 57401

Corporate Seal

Langford, South Dakota
October 3, 1986

Lt. V. J. Brown
HQ Electronic Systems Division/SCC
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown;

As Newport Township supervisors, we feel there are several economic impacts due to increased traffic on township roads that were not dealt with in the Draft Environmental Impact Statement Proposed Central Radar System Over-the-horizon Backscatter Radar Program, August 1986.

We are currently operating with a shortage of funds and a mill levy at the limit of the South Dakota law. In winters of large snowfall, the extra cost would be prohibitive. It would be absolutely necessary that a fee from the Air Force would be needed to take care of this extra cost. If 2470 acres were to be taken from this township for this purpose, it would put an additional strain on the township budget.

We feel the impact study has not addressed this problem of road maintenance due to increased traffic on our township roads.

Also, we do not see anything mentioned about the B-1 Rural Water system which was installed the past two years. Will this affect the water supply in any way?

Would the power lines for the site follow the mile lines?

We understand that Jarrett Farms of Britton, SD, which is near our area, is willing to sell land for this purpose and it would not affect so many people.

Please address these issues in your study. Thank you.

Robert C. F. Township Supervisors,

Robert Bigdahl, Chairman

Robert C. F. Township Supervisors,
Langford, SD

LeRoy Nelson

LeRoy Nelson

HQ Electronic Systems Division/SCC
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

REC-1
10/26/86

G4

Dear Lt. Brown:

A concern many of us have, and are not listed, is where affected families of the radar system will move and live. Modern forbid us destroy animal and bird habitat, but for the humans involved, it's a matter of tough luck.

I recall American history treating Indians much the same way. The native Americans were herded to wherever the government pleased, with no regard for the people involved.

Where is the added safety against the invaders, Communists, or those who do not live by the democratic code? All while doing is building imaginary walls. Both United States and Soviet governments are capable of blowing the planet out of the solar system. What good will advance be if nuclear forces were unleashed? It will merely delay the inevitable.

Kind, for the democratic way of life mentioned above; the right to live where we chose is threatened. After living and working the same kind for several generations, we must leave. And you call this a free country.

Sincerely, Peking Hanburg

WV 83 1005
Gl, G6
Anderson & Lab.

Oct 25, 1986

Dear John

In regard to the Central
Ott-B Radar System that
we are hearing so much
about.

I attended the meeting in
Langford & Lab. That was
held one evening in the middle
of November at 7:00 P.M.

The attendance was poor
mostly because of the timing
but that was time in the
afternoon.

I requested and received a
book on the Environment
Impact Statement, which I know
had to make time to study,
but I want to make satisfied

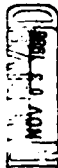
with what I heard in
Langford & Langford.
As far as getting people
in the Area to send in
their comments, if they didn't
attend the meeting which many
didn't because of the time
of day and time of year, they
don't know what to comment
on.

The one I am not very
interested in having it in the
Area, because of the taxes which
will be put on the environment
impact it will have on the
Area. I may increase pollution.
Thank you.

Cyrus P. Proust
Oct 25, 1986
Anderson & Lab 57422

October 27, 1986

Lt. V.G. Brown
ESD/BCD
Hancock AFB, MA 01731



Dear Lt. Brown:
G3, G6, G8

In trying to describe the proposed Over-the-Horizon Backscatter Radar facility, a saying that an old army veteran told me comes to mind. There's three ways to do things--the right way, the wrong way, and the military way.

Unfortunately, the military way in recent years has meant the incompetent, stupid and arrogant way. The environmental impact statement on the radar system is very inadequate and is based on the premise that what's good for the military is good for the country.

I think it's a high time that you know that the American farmer is just as important as the military. I grew up on a farm in the target section of the Langford-Amherst-Clement area. My parents still live there. For over 100 years, my family has weathered grasshoppers, drought, low prices, hell and six years of Ronald Reagan's plan to gut the family farm. And now the Air Force could take it away in a matter of months.

Lt. Brown, who do you think feeds all of your airmen? People like my parents and neighbors back home. How long could your airmen fight a war without food? Not long. But yet, you people feel that you can kick some of the top food producers in the country off their land with no question asked.

You're dead wrong. There are many unanswered questions about the project. On page 3-38,

you point out that the radar system will cause little damage to migratory birds in our area. Yet, on page 3-30, it appears that we are right in the migration corridor of the Central flyway. We live 15-20 miles away from Sand Lake, one of the most important resting stops on the Central Flyway. Contrary to what you say, migratory birds like geese and ducks do frequent our area in considerable numbers. I can only guess what a radar system capable of spewing out harmful radioactivity 1,800 miles in the sky could do to wildlife.

Another point--you continually state that no strong scientific evidence exists that the radar system is harmful to human health. If that's true, why do you state on page 4-42 that an exclusion fence will be constructed to prevent harm to humans and animals?

The way you've covered up the health hazard aspects is criminal. A paper written by Dr. Duane Dahlberg, a physicist at Concordia College, Moorhead, MN, clearly shows this. You state that the only way microwaves can kill or harm is if they cause a temperature increase. But a large number of scientists say that microwaves can be harmful even without thermal effects. Deny it all you want, but Dahlberg points out that microwaves do affect blood chemistry. Power levels outside the radar system's fence would be above the levels that research has shown to cause chronic effects. None of this is discussed in the impact statement.

On pages 4-31 and 4-33, you talk about the wonderful benefits that the radar system would have to the community. It's true that agriculture is on the ropes right now, and maybe the radar system would be beneficial to the community at first. But when agriculture comes back, and it will, the 2,400 acres that you wish to take out of production will put your figures to shame.

If farmed, the 2,400 acres will still produce crops and be economically viable after 100 years.

If the radar base is constructed, those acres will be gutted, never to serve a useful purpose again. If farmed, people will continue to live and work on that land. If you take it away, the area will be a ghost town 100 years from now. You are to be reprimanded for your short-sighted "economic" forecast.

You imply that the land will be fit to farm after the radar base is disbanded. One only has to look at a deserted missile base near Ashland, NE, to get the true picture. Deserted for several years, the base just sits there, not doing anyone any good. I can't help but wonder if that will happen if you build the radar base in the Amherst area.

Finally, the growing incompetence of the military is another reason why the radar base shouldn't be constructed.

I strongly admire people who know how to manage their money. Unfortunately, the military doesn't fall into this category. You can't even buy a hammer without paying hundreds of dollars for it. I can understand that it's nice to work with those valuable hammers, but I can pick up a hammer out at K-Mart that will do the same job for only \$10. The list of your wasteful projects and expenditures goes on and on.

Sincerely,

Gil Bullickson
925 2nd Avenue
Brookings, SD
57006



JARRETT RANCHES

Ray S. Jarrett & Sons

Phone Highway 8-1100

Britton, South Dakota

October 27, 1986

Lt. V.B. Brown
ESD-SCO
Hanscom AFB, MA 01731



Dear Lt. Brown:

I am writing in regards to the Over-the -Horizon Backscatter Radar system.


We have four sections less-80 acres on the Brown County and Marshall County line that might work for your project.

Section 25 and Section 36 in Portage Township, Brown County and Section 30 and Section 31 in Dayton Township, Marshall County. In other words the four sections form a square.

Northern Electric has an REA line one mile west of this unit and Lake Region has another REA line about one mile east.

No one lives in this area as it is all pasture land. A county oiled road runs on the north edge of this.

If you are interested in this unit, perhaps we can get together soon to look it over either to rent or buy which ever would work best for both of us.

Sincerely,

Donald D. Jarrett
RR 2 Box 179
Britton, SD 57430

DDJ/se

NOV 03 1986

OTH-B Radar System
Lt. V. B. Brown, ESD-SCO
Hanscom AFB, MA 01731

Dear Lt. Brown,

G3, G8

I am writing in regard to the Over-the-Horizon Backscatter Radar system transmitter site proposed for north eastern South Dakota.

I own land in Newmont Township, Marshall County, and this is part of that proposed site.

My land is Section 36 125 59, 160 Acres, Newmont Township, Marshall County, Langford School District, South Dakota. My brother, Floyd, Carson, a farmer, is buying from me the 160 Acres next to the above land. This is an inheritance from my father and also an old homestead that belongs in the family.

This is some of the best farming land in South Dakota. I'm patriotic but I don't like to see this good land taken for the radar site.

I'm also very concerned about the health hazards from radiation because of this huge system. I know you try to say there are no health hazards. That is the same thing that was told the soldiers who witnessed the A-bomb tests during the 1950's. The same story-line was told during the Vietnam War, when they doused thousands of our country's young men with Agent Orange.

It seems there should be land available that is only grasslands--which is government owned--acres and acres of it and flat land. Also other Federal land. There is land taken from farmers where payments are not made--government owned and also owned by big business. Have you investigated every source?

As Ed Gullickson, Beatings, SD 57006(also an owner of land in this area), wrote in the Langford Bugle to the Editor, quote:

"Everytime that funding is needed in Agriculture, lengthy Congressional hearings are held to determine the viability of the request. And that's the way it should be. This legislative process helps to protect the taxpayers from wasteful projects. But is this done with the Military? No way."

I am sure people have written to you about this. There is to be 2400 Acres of prime land mostly in Marshall county but also in Brown and Bay counties, South Dakota.

Lt. Brown, I urge you to look for other sites and to keep this radar site from being built in north eastern South Dakota, specifically Marshall County, on agricultural land.

I certainly hope you will heed my objections,

Very sincerely,



G. Carol Anderson (Address above)

City of Britton, South Dakota

HOME OF PRAYER ROCK

Britton, South Dakota 5700

October 24, 1986

Colonel James A. Lee
HQ Electronics Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Colonel Lee:

On behalf of the City Council and the majority of the residents of the Britton Community, I would like to go on record as favoring the selection of a South Dakota site for the OTH-B Radar System.

We urge that if it is at all possible the site be acquired by lease agreement from willing owners. The tax base of our county should be left in tact.

At the Langford hearing I indicated that land was available from a single owner five miles north of the present site boundary. I realize an environmental impact statement is involved but in light of the cost of this project, the cost of litigation and all the other problems that could result from a site involving unwilling owners, would an EIS pinpointed at a two mile square area be possible?

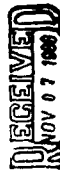
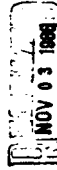
We extend an invitation to you and any other Air Force personnel to visit Britton. We would like to show you at least two possible sites involving owners willing to cooperate with the project. Both are within five miles of the borders of the present Amherst site.

Sincerely,

DeLores B. Hanchan

DeLores B. Hanchan, Mayor

DBH/cl



Lt. U.G. Brown
ESD-500
Hanscom AFB
MA 01731

G3

Dear Sir,

In regard to replacing
Over the Horizon Backscatter
Radar System in the Amherst,
Claremont/Langford area. This
land is not a barren desert.
It is quite good productive
farmland, in fact, this fall there
is a lot of land producing

Glance Hemen
RR2 Box 133
Britton, SD.
57430
Oct 29, 1986

100 to 135 bu. Corn per
acre. There are surpluses, yet
we need good land to feed
people in good years and bad.
I would hope this
radar site could be placed
in a more barren unpopulated
area.

Thank you

Vance Hemen
Ila Hansen



RECEIVED
NOV 17 1986

November 7, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

We understand that the U. S. Air Force is considering construction of a radar facility at Wheaton, Minnesota or Andover, South Dakota. We are an electric utility serving in the area of those two site alternatives.

I am writing to express our interest in supplying the electric power and energy requirements of this new facility. We are willing to discuss, negotiate, or bid any type of electric supply arrangement for the radar facility.

How do we go about being considered for supplying the electricity for this new radar facility?

Sincerely,

[Signature]
Henry J. Knapp
Engineering Manager

HJK/kle

cc: Russ Dau

2025 in Present
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RECEIVED
NOV 17 1986

G3, G6

Radar System
See report to the House the Honorable Earl

Scamman Radar System - over the horizon of
Harvard, Cleveland, Cleveland, Ohio, which
includes it. Why does this have to do with
our good farm land, when there are so much
acres of land in the state? Why are we at
all? Why take on our land? Why are we at
all? How many acres are we at? Why are we at
all? Why are we at all? Why are we at all?

As I believe to be the best way to place it, I
will leave it to you, and I will leave it to you.
original. As I believe to be the best way to place it,
it might be better to have it placed in the hands
of the people for the people, and I will leave it to you.
of our land. I will leave it to you, and I will leave it to you.
our land. I will leave it to you, and I will leave it to you.
commencing our formation? I believe to be the best way
to take that step, and I will leave it to you.

Finally putting your name in our place?
An American name, concerning the
Mr. Harper Brown

1722 Melody Lane
Aberdeen, SD 57401

RECEIVED
NOV 18 1986

November 12, 1986

Colonel Jim Lee
ESD/SCO
Hanscom AFB, MA 01731

Dear Colonel Lee:

The following is a list of questions concerning the proposed Central OTH-B Radar System. I am especially interested in the Amherst transmit area located in northeastern South Dakota. I plan to use your answers to better inform my organization, the South Dakota Engineering Society, which I am president of the Northeast Chapter, and also to inform any other person or group. I ask that you be explicit and thorough.

Thank you for your time and consideration. The questions are attached.

Sincerely,

Roy A. Pulfrey
Roy A. Pulfrey P.E.

cc: Honorable Thomas Daschle, U. S. Congressman, Aberdeen, SD
James A. Wigdahl, Langford, SD

1. Is it certain that the Central OTH-B system will be built? How is the funding handled? Does it need legislative approval?

2. Is this system an interim until another proposed system is developed or will this system be permanent?

3. Why do the transmit and receive sites have to be apart from each other?

4. What were the main criteria used for choosing the initial four proposed transmit areas? Why is each proposed area shaped differently from the others?

5. What will be the criteria used to determine the final location of the transmit site?

6. What will be the sequence of events involved in land acquisitions? Will leasing be considered?

7. Will land purchase or lease agreements have time limits? Will there be provisions in purchase contracts which dictate resale prices and to whom the land will be offered for resale at the time of decommissioning?

8. How, if at all, will the Government mitigate the loss of tax base caused by sales of local land to the Government?

9. What will local persons have to do to compete for jobs generated by construction and operation of the transmit site? What will be the nature of those jobs? How long will the jobs last? What kind of pay ranges can be expected?

10. Will the surrounding areas be continually monitored for levels of radiation? Will this information be public?

11. What if the ANSI standards for radiation such as that produced by the transmit site are revised to lower levels and areas outside the exclusion fence are receiving doses above those revised levels? How will landowners and residents in those areas be compensated? What will happen if unforeseen negative environmental or health impacts occur?

12. Aerial crop spraying is widely used in the area. Pilots spend several minutes in a relatively small area while spraying. Is it possible they will be subjected to large doses of radiation or even excluded from certain areas?

13. Even though the Air Force has developed an "Operational Plan for RF Interference Avoidance," which currently implies that radio frequency disturbances can be almost completely avoided, isn't it possible that changing atmospheric conditions or enemy electronic jamming might make disturbances unavoidable? What foreseeable events would cause unavoidable disturbances? How long might those periods of unavoidable disturbance last?

14. Will purchase of electrical power by the Air Force from local utilities be a potential reason for rate hikes or power shortages for local residents? How large will transmission lines be leading to the site? At what voltage will they operate? How will the location of the lines be determined?

15. Won't this cause the area to become a potentially prime target for terrorists in peacetime and for nuclear weapons in wartime? What will the Government do to minimize these risks?

FRANK L. FARRAR

Attorney at Law

RECEIVED
NOV 11 1986

FARRAR AND SPIRY BUILDING
P. O. BOX 919
BRITTON, SOUTH DAKOTA 57430
TELEPHONE (605) 446-2872

November 10, 1986

Lt. V. G. Brown
ESD-SCO
Hanscom AFB, MA 01731

RE: Land in Amherst, Langford, Claremont and Britton, SD for
the Radar Program

Dear Lt. Brown:

Please be advised that the City of Britton is very interested in having your radar site located in our area. We wish to inform you that we will help you in every way to get it accomplished to include community and statewide environmental clearances at little or no cost to the government plus obtaining land at a very reasonable value.

Please advise whether we can be of assistance. We have many sites available for you to include the acreage that you need which should be sold on a very reasonable basis.

Please contact me if I can be of any further assistance.

Thank you.

Most sincerely,

Frank L. Farrar
Frank L. Farrar

PLF:klh

RECEIVED
NOV 11 1986

G3, G4, G6, G9 Nov. 4 - 1986
United States, Air Force. (S. Dakota)

He desired a few months ago that
this area. Amherst, Langford,

Claremont, is a probable site for
some over the horizon radar station
(with radar, we are in Newport

township, so are quite concerned
about this proposed project, we
would like to know:

1. Can land around the proposed
area be farmed? beside the site?
we have plans to it?

2. Will it be a station of land
or a part or more of another section
or a group of sections?

3. What happens to all of the land
right?

4. How long will it take to
be done? Have any of this prime land
been bought for other uses?
And is it all in one piece?
Happens to these farmland?

5. If land to the Air Force, have
do you have any members, how much?

6. We now get very good radio
and television reception, will
this prevent interfere with our
reception?

We need a lot of answers
before we can accept this
project.

Sincerely
Mr. & Mrs. Dickert Gustafson
Rt. 1 Box 35
Chasement
A.D. 57432

LANGLAND, S.D.

Letter To The Editor

October 26, 1966

Dear Editor:

"Is this radio system really what
to our national security? If we had
a crystal ball we may be able to
solve that question and forth in Old
Gallatin's letter of Oct. 7, 1966.
Unfortunately, we do not have the
capability of such forecasts;
however, I believe we must proceed
on the best information we have at
the time in order to "prevent" and
not have to "adjust". Perhaps
leading this prime time lead would
provide a better economic situation
to the area by creating a few jobs to
some of the people that are
struggling to hold on to their farms
and, at the same time, provide a
detection system for any unusual
series of events.

There is plenty of waste in our
government circles, I certainly can
agree with that; however, it is not
likely in the military. Check out
what has happened in the PAC
program, also, the present day
certification that a few people are
making fortunes on. And let us not
overlook the billions going to foreign

Sincerely,

Sherron L. Olson
Commissioned Warrent
Officer, United States
Army, Retired
Langford, S.D.

P.S. I'd also like to keep Minnesota

RECEIVED
21 NOV 1986

255 Town St. Apt. 202
Rapid City, S.D. 57701
November 17, 1986

St. V. J. Brown

ESD-SCD

Henderson 438, MA, D1731

G3, G4

Dear St. Brown:

As a Lead worker in Newport Township, South Dakota, I am very much opposed to the proposed construction of the Over the Horizon Backscatter Radar System in the Cornland-Langford-Clemons area of South Dakota.

This area is one of the three farming areas of the "Heartland", it would be a shame to take it out of production.

Being retired, I depend on my only source of income from this farm to help finance my retirement years.

I trust that your decision to choose this site will be positive.

Sincerely,
Florence Hieger

St. L. Brown:

Dear Sir,

I have seen several news clips on television - concerning your search for a radar site - either in Minnesota or South Dakota.

I would have been interested in a site about 50 miles southeast of Aberdeen, SD?

It just so happens that my son is a owner of 400 acres of grassland two of the owners want to develop but they don't want to start with eight owners.

I'm sure something could be worked out very easily on a lease or buy basis. This land just happens to be where you already have the farm community of 1000's - a 1000 farm community. I, for "the heartland" around here.

It is located in looking at over contact John L. Kiley McDevitt, Inc. Having son. Do/36 Redwood, S.D. 57450

I got your address from Congressman Tom Kneavelle in office. I asked for a phone no. - but they did not have one.

I thank you for your time and attention.

Sincerely,
John Kiley
444 N. 1st
Aberdeen, S.D.

57438

Aberdeen, S.D.
Nov 21, 1986

RECEIVED
28 NOV 1986

22 Nov. 1986

RECEIVED
NOV 22 1986

Lt V. G. Brown
ESA/SCO
Bangor AFB, Maine
01731-5000

Sir;

I support and beg for the installation of the Over-the-Horizon Backscatter site facility in our area. As mayor of Langford, a local businessman, and a individual very much concerned about the economic health of our area, I realize what a positive impact this project would have for the depressed ag economy in our area.

As a businessman involved in the retail sale of farm equipment, I know the depressed state of agriculture in this area and am sure this project would help this area much more so than any of the other sites, beside acquisition costs being much less.

There is a great deal of support in the area for this project. A number of people who have asked questions of the project still support it for economic and national security reasons. There is also a silent majority who support it for primarily the same reasons. I have talked with many people and find this to be a verifiable statement.

Again I ask for this area to be selected as the location of the Backscatter site facility.

Bruce A. Likness
P.O. Box 23
Langford, S. D.
57454

4-374

G8

RECEIVED
NOV 22 1986

Langford, S. D.
November 1986

Lt V. G. Brown

As regard to the Over-the-Horizon Backscatter Site Facility

Medicaid what kind of an impact on our community?

I can and have a microphone

our home every weekend show a

personality now why should the

Reddough that day and yet we are

expected to put up with it on our

mean our land the place to us and should

be to you that other do not should have

the responsibility?

Please be concerned about our

rights and wishes.

Mar. George Amine

St. V. H. Brown
Hanscom, AFB, Maine

Britton, S. Dak.
11/28/86

RECEIVED
NOV 28 1986

Dear St. Brown

I endorse OTH-B construction here in our community. The advantages to our area far outweigh any disadvantages in my opinion.

Our agriculture community needs a boost in available jobs to help preserve our economy. We have a large area work force to draw from.

Our small towns are slowing breaking down, we need something soon or all of our young people will be moving to the larger cities. We do not need any more congestion in the large cities.

We hope your final decision to build the OTH-B project will be in Amberst, Sangford - Cleburn area.

Sincerely Yours
Clifford J. Olson
Box 524, 1204 4th St.
Britton, S. Dak. 57430

Lee:

I like letter in re regard to the OTH-B thing in East-
erly Cedar Rapids in the
Hawkeye Express area of South
Dakota.

As a nation, I realize the importance of defense for this great nation of ours. I understand my support for this project, and hope that along with the defense capabilities, it will help this area economically.

I do not appreciate I might have, in the effect this might have on the land, and the feelings of doubt of some farmers in the area. When all said, I give my support.

Clifford J. Olson

RECEIVED
NOV 28 1986

Langford, S.D.
11/28-86

Dear Sir,

I am writing you this letter
to inform you that I am in
support of the radar system in our
area. As I have 640 acres in the
area.

James B. West
Rt #1 Box 50
Langford, S.D.
57454

RECEIVED
NOV 28 1986

November 30, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

Subj: OTH-B DEIS comments

Gentlemen:

Thank you for transmitting
a copy of the Central OTH-B
draft EIS. From your letter, I
note that comments on this
document are to be mailed to
you by December 8, 1986.

For the record, my brother
(Clark S Bennett) and I own
and farm property in Section 29 of
T125N, R55W of Newport Township,
Marshall County, South Dakota.
This property would be within the
Amherst, SD study area described in
the DEIS. Our local representative is
LR Gustafson, Attorney at law in Britton SD.

Having carefully reviewed the DEIS, we support the project as proposed, including the Amherst transmitter site. Also, we reject the other alternatives examined in the document. The "no action" alternative would be inconsistent with national security which is, after all, a fundamental priority. Other technologies such as satellite and air-borne surveillance are ineffective or unreasonably expensive, or both. The only thing left is the project as proposed and we believe it should proceed.

inconceivable to us that the actual negative impacts of the project could be anything other than infinitesimal.

From accounts in the local South Dakota press, we note a certain level of opposition to the project among local residents. I have read such accounts with great interest to see if perhaps all the facts weren't covered in the environmental document. While the opponents seem to be quite sincere, I cannot detect any substantial reason for the controversy. This is particularly true in view of the lack of any acceptable alternatives to the project itself. We suggest that the DEIS responses be evaluated specifically as they address the proposed project and the fundamental alternatives to the project.

With respect to the specific areas proposed for transmit sites, we note from the DEIS that the Amherst area seems to have fewer environmental impacts than other areas. Presumably, the cost of mitigating such impacts would be lower. From Table 2-2, it is also clear that the Amherst area accommodates a wide range of receive sites. We suggest these points not be overlooked.

Please keep me advised of further actions involving this project and environmental document.

Harry E. Bennett
Harry E. Bennett
2369 Nicolas Drive
Fullerton CA 92633

cc Clark Bennett
LR Gustafson

Town Of Langford

Marshall County
Langford, South Dakota 57454

December 2, 1986

Lt V. G. Brown, ESD-SGO
Hanscom AFB, Maine 01731-5000

Dear Lieutenant Brown:

The Town Council of Langford, S.D., on behalf of the fine citizens of our community, hereby convey to you their desire and hope the site selection committee will locate the over-the-horizon backscatter radar transmitter facility in this area. This area needs and would appreciate both the short and long term economic benefits the construction and operation of this facility would bring. The vast majority of our people welcome the opportunity to do their part in the national security of this great country.

We are a fine little community with one of the best school systems in the state having a strong academic commitment to the development of its students, a very good athletic program, and if you ever heard our spring or winter band concert, would say with strong conviction it was as good as any you had ever heard by the best small school in the state. The community has the lowest tax base and, owning our electric system, have low electric rates along with being serviced by a rural water system and public sewer system, that are in all lower rates than any of the surrounding communities. There are also several fine businesses in the community anchored by a financially strong, locally owned bank. We have also made a strong commitment to our senior citizens with twenty low rent apartment units along with an outstanding senior citizen nutrition center. We fully realize the people involved with the facility aren't at that point in their life but it does reflect a community's desire to look after and care for all of its citizens.

Again, we ask you to select this area to locate the transmitter facility and extend to you and the people involved with the project, a welcome and an invitation to join the fine community of Langford.

Sincerely,

Bruce A. Likness
Bruce A. Likness
Town President
Dennis Nelson, Trustee
Montfred Likness, Trustee
Sherman Olson, Finance Officer

RECEIVED
DEC 10 1986



LIKNESS BROS. IMPLEMENT CO.

Phone (408) 448-3277
Bakers, South Dakota 57430

12-4-86

LT. V.C. Brown

I WOULD LIKE TO EXPRESS MY SUPPORT
OF THE PROPOSED RADAR SITE LOCATION FOR OUR
AREA. ALTHOUGH IT WOULD COMPETE FOR AVAILABLE
LAND AREA WITH US, LONG TERM ECONOMIC
BENEFITS FOR THIS RURAL COMMUNITY SHOULD
OUTWEIGH OUR OWN CONSIDERATIONS.

Sincerely
Rick S. Sadeau

RECEIVED
NOV 11 1986

Document S.D.
Dec 1, 1986

RECEIVED
NOV 09 DEC 86

Dear Lt. Brown,

I feel the site should be considered
with ~~those~~ people that are willing
to give up their land.

I myself would not wish to give
up my land as it has been in the
family for 53 yrs and I have a son
who would like the opportunity to farm.

We only own 480 acres and
320 of it is on one section where
the site is mapped out. This is where
our home is and every good farming
land. We also have a 45 cow dairy
herd and my two children a daughter
17 and a son 13 very involved in
farm and 4H program.

The farm is our whole life
so we would really hate to
give it up.

So, I wish the site could be
considered some where else.

Sincerely
The Harold Gray Family.

H. Electronics System Division, R.C.P.
Attn: B. Systems Program Officer
Hanover 477B, N.H. 01731 2000

63

I definitely agree and concur
in placing the CHB Radar system
in the Combined South Dakota area.

This race has been the - civilized
the many and the former. The soul
is gone - we are, saved, and
the people have built up society
somewhere.

"Our family have worked very
 hard on our farm, and this year
 we were able to make a
 few dollars. What we hoped we might
 have.

RECEIVED

So please consider other areas, where there is less population.

January,
 1861.
 Br. County Judge,
 and - Town Council.

RECEIVED
RETURNED

G6, G8

Dear Lt. V. G. Brown

I am writing to you to voice my opinion on the Over the Horizon Backscatter Radar System.

I am a young farmer with a wife and two small children. I own and rent about six hundred acres and have a fifty head cow and calf pair herd. My land is all in the proposed radar area and my farm site is about in the middle of it.

I have done some research and I can't see any good benefits from the program. I don't feel are elevators small towns and townships can benefit in any way from the program. Also I could never be in favor of the program because of the health aspect of it. The radiation from the is all the time not when a CB mic is used or when a microwave oven is in use.

I will never willingly sell to the air force for the program. I live in Rupert township and have talked to every residence here and they all feel the way I do.

Sincerely,
C. Ricky Cole & family

City Of Britton, South Dakota

HOME OF PRAYER ROCK

RECEIVED
RETURNED

Britton, South Dakota 57000

December 2, 1986

Lt. V. G. Brown
ESD - SGO
Hanscom AFB, MA 01731

RE: Amherst OTH Backscatter Radar System Site

This letter is written in support of the Central OTH Backscatter Radar System being located on the Amherst site, if the land could be leased from a willing leasee. This could be accomplished just north of the original site boundary on the Jarrett land and/or within the Amherst site.

The statements by the Air Force that the site would not present health problems or land use problems during or after the life of the System were reassuring.

The economic benefit to the area would have a positive effect.

Thank you for holding a hearing in Britton.

Sincerely,

DeLores B. Henehan

DeLores B. Henehan
Mayor

Dear Sir:

RECEIVED
NOV 20 1946

I am writing in behalf
of my family about the
proposed Radar system.

We are not in favor
of it going by here if it
will cause the loss of
our home and farm land.
It seems like it would
be better to go thru an
area where there aren't
as many people living and
where the land isn't as good.

Mr. & Mrs. Vincent Martin

Lewistown, Pa.

RECEIVED
NOV 20 1946

Dec 1, 1946

Dear Sir:

The letter is being written
in opposition to the Radar
system being proposed in
Southern Neck State.

I have a business
place being very near the
area, plus 2 brothers
who are farming. They
rather have been on their
farm for over 50 years.

Myself like has not
several farm land, which
already farming does not
bridge the importance of
the land to these people.

Please do not locate
the Radar site in the
area. Thank you.

Betty Dick
Box 110

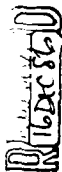
Neola SD 57446

Britton Area Chamber of Commerce
Box 8,
Britton, South Dakota 57430
Phone (605) 448-2442

December 8, 1986

G4, G8

Lt. V. G. Brown
 ESD - SCO
 HANSCOM A.F.B., Mass. 01731



Dear Lt. Brown:

As an organization created for the purpose of advancing the commercial, industrial, civic and general interests of the City of Britton, the Chamber of Commerce Board of Directors would, of course, like to see the proposed Radar site located as close as possible to Britton. Our major concerns are of health which we feel the Air Force has adequately answered, and the removal of farm families from their homes.

We would like to welcome you to the Britton area if the health hazards pose no greater threat than our present environment and if the land could be all leased, or if a purchase is necessary, that as few people as possible are displaced. We are concerned about the survival of the City of Britton, but not at any cost.

Thank you for the opportunity to be heard. We appreciated the Air Force coming to Britton for the recent hearing and were impressed by the professional handling of the hearing.

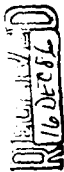
If we may be of service to you, please write us.

Cordially,

Terry T. Johnson

Terry T. Johnson
 President
 Britton Chamber of Commerce

TJJ/pr



Lt. V. G. Brown,

ESD - SCO,

HANSCOM A.F.B.

G6, G8

Phone 01731-5000

We have lived on this land and in this healthy area all our lives. Many people come to this area to get away from the health hazard of large metropolitan areas. Why should we want to lose our land and homes to the 0174-B over the Oregon Backscatter Radar system? It is not advisable to let a project come next door that may induce ~~the~~ health hazards to us now and in the future. I don't believe our community will benefit in any way from this project. I

feel the people employed will
not live in our rural community.
The economic loss the country,
townships, and schools will feel
will not be gained back in
anyway. There may be a gain
for some in the community during
the construction of the project,
but that would be all.

There's a farming community
must fight every move we
make in order to stay on top.
We don't want to lose our homes.

It seems as though the
people who will not lose land
or their homes are in favor of
this project. Our forefathers
came to this country and
settled where because of the
situations in their homeland.
Now our government will try to
come in and take our land away.

and many feel there is fine
There should be a better
way to gain better relationships
with other countries so we don't
need this project. Keep our
land a healthy and
happy place to live

Mrs. Luoma (W. Harp) Triguera
R.R. #1 Box 10
Anderson, S.D. 57422

Wesley S. Carlson
2020 S. Central Street
Rapid City, SD 57702
24 October 1986

Rix Force Secretary
Edward C. Alridge
Pentagon
Washington D.C. 20330
Dear Secretary Alridge,

I am writing in regard to the Over-the-Horizon Backscatter Radar system transmitter site proposed for north eastern South Dakota.

I own land in Newport Township, Marshall County and this is part of that proposed site.

My land is Section 34 125 59, 160 Acres, Newport Township, Marshall County, Langford School District, South Dakota. My brother, Floyd Carlson, a farmer is buying from me the 160 Acres next to the above land. This is an inheritance from my father and also an old homestead that belongs in the family.

This is some of the best farming land in South Dakota. I'm patriotic but I don't like to see this good land taken for the radar site.

I'm also very concerned about the health hazards from radiation because of this huge system. I know you try to say there are no health hazards. That is the same thing that was told the soldiers who witnessed the A-bomb tests during the 1950's. The same story-line was told during the Vietnam War, when they doused thousands of our country's young men with Agent Orange.

It seems there should be land available that is only grasslands--which is government owned--acres and acres of it and flat land--not agricultural land. And the government or big business has taken land from farmers where they cannot pay. How about that land. Have you investigated every source?

As Bill Jullickson, Brookings, SD 57006 (also an owner of land in this area), wrote in the Longford Bugle to the Editor, quote: "Everytime that funding is needed in Agriculture, lengthy Congressional hearings are held to determine the viability of the request. And that's the way it should be. This legislative process helps to protect the taxpayers from wasteful projects, but is this done with the military in way."

I am sure people have written to you about this. There is to be 2400 Acres of prime land mostly in Marshall county but also in Brown and Day counties, South Dakota.

Sec. Alridge, I am sure you can help to keep this radar site from being built in north eastern South Dakota, specifically Marshall County on agricultural land.

I am sure other Federal land available that is Over-the-Horizon Backscatter Radar system transmitter could be built on?

I certainly will appreciate your help on this problem.
Very sincerely, (Address above) Wesley S. Carlson

Letters To The Editor
October 1, 1986

Dear Sir:

I am writing to inform you that I have received your letter of September 24, 1986, regarding the proposed Over-the-Horizon Backscatter Radar (OHRB) transmitter site in Marshall County, South Dakota. I am writing to you as a resident of that area and as a concerned citizen.

I am writing to you because I am concerned about the health hazards from radiation because of this huge system. I know you try to say there are no health hazards. That is the same thing that was told the soldiers who witnessed the A-bomb tests during the 1950's. The same story-line was told during the Vietnam War, when they doused thousands of our country's young men with Agent Orange.

It seems there should be land available that is only grasslands--which is government owned--acres and acres of it and flat land--not agricultural land. And the government or big business has taken land from farmers where they cannot pay. How about that land. Have you investigated every source?

As Bill Jullickson, Brookings, SD 57006 (also an owner of land in this area), wrote in the Longford Bugle to the Editor, quote: "Everytime that funding is needed in Agriculture, lengthy Congressional hearings are held to determine the viability of the request. And that's the way it should be. This legislative process helps to protect the taxpayers from wasteful projects, but is this done with the military in way."

I am sure people have written to you about this. There is to be 2400 Acres of prime land mostly in Marshall county but also in Brown and Day counties, South Dakota.

Sec. Alridge, I am sure you can help to keep this radar site from being built in north eastern South Dakota, specifically Marshall County on agricultural land.

I am sure other Federal land available that is Over-the-Horizon Backscatter Radar system transmitter could be built on?

I certainly will appreciate your help on this problem.
Very sincerely, (Address above) Wesley S. Carlson

G2, G4, G6, G7, G8

4.2.5 Northwestern Minnesota

Letters were received from:

Glenn O. Halvorson, Mayor, Warren, MN
Bob Carlson, Mayor, Thief River Falls, MN
Larry Belmont, President, Chamber of Commerce, Thief River Falls, MN
Leo A. Ruberto, Superintendent of Schools, Independent School District
No. 564, Thief River Falls, MN
Kenneth Olsen, Auditor, Pennington County Board of Commissioners, Thief
River Falls, MN
Roger J. Reuter, President, Jobs Incorporated, Thief River Falls, MN
D. G. Trierweiler, Manager, Engineering, Lakehead Pipe Line Co., Inc.,
Superior, WI
Arlan Stangeland, Member of Congress, Seventh District - Minnesota,
Moorhead, MN
Floyd Hallan, Clerk, Town Board of Norden Township, Thief River
Falls, MN
Donavon D. Dyrdal, Thief River Falls, MN
Mrs. Harold Kalsnes, Thief River Falls, MN
LaVerne M. Hamre, Thief River Falls, MN
Donavon D. Dyrdal, Thief River Falls, MN
Clarence H. Anderson, Chairman, Sanders Township, Thief River Falls, MN
Shelley Steva, Thief River Falls, MN
Gary L. Crown, Santa Barbara, CA
Peter Hapka, Warren, MN
John and Connie Omdahl, Warren, MN
Kenneth Olson, Auditor, Pennington County Board of Commissioners,
Thief River Falls, MN
LeRoy Stumpf, State Senator, District 1, Plummer, MN
Larry and Faith Rud, Warren, MN
Ron Hinak, St. Hilaire, MN
Anton P. Rader, Thief River Falls, MN
Bruce Steiger, Red Lake Falls, MN
Charles Zammert, Euclid, MN
Mr. & Mrs. Erving Evenson, Red Lake Falls, MN
Gladys Hallstrom, Red Lake Falls, MN
Alvin and Robin Asp, Thief River Falls, MN
Clarence O. and Norma Swanson, Thief River Falls, MN
Nikki LaSorella, Minneapolis, MN
Roger J. Reuter, President, Jobs Incorporated, Thief River Falls, MN
Donovan D. Dyrdal, Thief River Falls, MN
Donald D. and Betty Lou S. Olson, Thief River Falls, MN
Charles Kruse, Thief River Falls, MN
Curtis and Marilyn Swanson, Thief River Falls, MN
Floyd Hallan, Clerk, Town Board of Norden Township, Thief River Falls, MN
Arlene Jagol, Thief River Falls, MN
Vernon and Muriel Anderson, Thief River Falls, MN
Keith Hoverstad, Thief River Falls, MN
Mr. & Mrs. Martin Solseng, Thief River Falls, MN
Mary Gierde, Angus, MN
T. E. Kenville, Consultant, Jobs Incorporated, Thief River Falls, MN
Donovan Dyrdal, Thief River Falls, MN

National Farmers Organization, Corning, Iowa
Barbara J. Johnson, Minneapolis, MN
Mr. & Mrs. Erving Evenson, Red Lake Falls, MN
Joel Nelson, Thief River Falls, MN
Donavon D. Dyrdal, Thief River Falls, MN
Mary Gjerde, Angus, MN
Beverly Hamre, Thief River Falls, MN
Harold O. Aker, Thief River Falls, MN
Erma Scholin
Mary Gjerde, Angus, MN
Dale Paulsen, Chairman, Wadena County Board of Commissioners, Wadena, MN
Tawnya Morkrid, Thief River Falls, MN

City of Thief River Falls
MINNESOTA 55701 BOX 528

15 Sep 86

September 9, 1986

Colonel James Lee
Program Director
OMI-B Radar System
United States Air Force

Dear Colonel Lee:

The City of Thief River Falls would like to take this opportunity to reiterate our strong interest in being selected for the OMI-B Receiver facility. We believe that the Draft Environmental Impact Statement prepared for the project has substantiated that the impacts in our area are the least negative compared to the other receiver sites studied.

As you are aware, we also have a number of landowners who have expressed interest in selling or leasing their property for the proposed facilities. Compared to the other sites land acquisition costs in the Thief River Falls area should be the most competitive.

We welcome the U.S. Air Force and, obviously, the positive economic impact that the facility will have on our community. If we can be of any further assistance to you, please let us know.

Thank you,

CITY OF THIEF RIVER FALLS

Bob Carlson, Mayor

BC:ct



MAYOR &
COUNCIL PRESIDENT
BOB CARLSON

RESOLUTION

WHEREAS, the City of Warren is located within a short distance from the Thief River Falls study area and

WHEREAS, the construction of the Central Over the Horizon Backscatter Radar System would provide the possibility of new jobs in our area.

BE IT RESOLVED, that the City of Warren strongly supports the future location of the Air Force's Backscatter Radar System in the Thief River Falls area.

Glenn T. Harrison, Mayor

Attest:

Donald G. Metz, Clerk-Treasurer



chamber of
commerce - thief river falls

August 6, 1986

Col. James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee:

Please, once again, be assured that the Thief River Falls Chamber of Commerce is supportive of a Pennington County Minnesota location for the Air Force's Over the Horizon - Backscatter receiver. Be assured, also, that we will do anything we can to assure a warm reception should the Thief River Falls area be selected as a receiver site. If there is anything The Chamber of Commerce, or I as an individual can do to further this effort, please don't hesitate to ask.

Sincerely,

Larry Belmont, President
Thief River Falls Chamber of Commerce

where everybody is somebody

800 line depot p.o. box 514 • thief river falls, mn. 56701 • (218) 831-3720

INDEPENDENT SCHOOL DISTRICT NO. 504

Zen and LeBree
Thief River Falls, Minnesota 56701
218-681-2700

August 11, 1986

Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee,

I'm writing this letter in support of the location of the Over the Horizon-Backscatter (OTH-B) receiver site in Pennington County, Minnesota. As Superintendent of the local school district, I can assure you that our district and staff are 100% behind the location of this particular facility within our community. Our district is such a size that we could easily incorporate any new children/families into our educational program.

The Thief River Schools offers a full spectrum of educational opportunities to children from kindergarten through post-secondary vocational-technical training. We have a wide spectrum of program offerings and our students consistently show above average placement on achievement testing. We would be happy to assist any of the families in relocating within our community and in placement of their children within our schools.

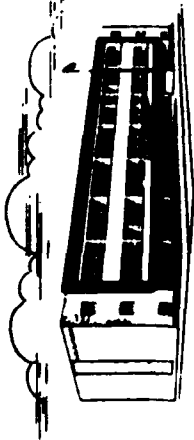
It has been my pleasure to live in the Thief River Falls community for the past six years. I have found the people here friendly and open and I feel that they are sincere in their desire to see the location of this site within our community. I strongly urge you to consider favorably our application for the location of the OTH-B site in Pennington county. If I may be of any further assistance to your selection efforts in regards to our school district or the community, please feel free to contact me.

Sincerely,

Leo A. Ruberto, Ph.D.
Superintendent of Schools

LAR/ms

"An Equal Opportunity Employer"



PENNINGTON County

THIEF RIVER FALLS, MINNESOTA 56701-0816

RECEIVED
15 SEP 86


August 13, 1986

Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

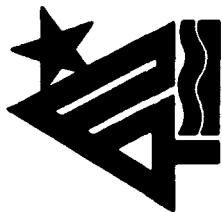
Dear Sir:

The Board of Commissioners of Pennington County has gone on record as supporting the location of the OTH-B Receiver Site in Pennington County.

Sincerely,


Kenneth Olson
Auditor

"Equal Opportunity Employer"



JOBS INCORPORATED

RECEIVED
15 SEP 86

September 10, 1986

Lt. V. G. Brown
ESD/SCD
Hanscom AFB, MA 01731-5000
RE: Written Comments - DEIS for
Proposed Central Radar System
OTH-B Program


Dear Lt. Brown:

Jobs Incorporated, the Thief River Falls' area community development corporation, would like to take this opportunity to submit the enclosed documentation in support of the selection of our area as the site for the OTH-B Receiver facility. It had been our intent to deliver and submit this information at the September 9, 1986 DEIS Hearing in Grand Forks. We decided during the course of that hearing that our goal would be better served by submitting it in the form of written comments.

Interest and support for siting of the receiver facility in Pennington County are, for the most part, high and positive. Enclosed are letters supporting the Pennington County sites from the local governmental entities, the Chamber of Commerce, State Legislators, and the Minnesota Congressional Delegation. Also enclosed are copies of Mayor Carlson's letter to Minnesota Congressmen and Senators soliciting support for FY '87 funding of the West Coast Sector.

It was nice to see you again. Please let us know if we at Jobs Incorporated can assist you in any way.

Respectfully submitted,


Roger J. Neuter
President

RJR:ct

Enclosures

Note: Mayor Carlson's
letters are not included
here.

P.O. BOX 570
THIEF RIVER FALLS,
MINNESOTA 56701
(218) 681-7387

15 Sep 86 SEP 8 1986

LEROY STUMPF
Senator, 1st District
Room 1, Box 17
Pharmacia Minnesota 55105
and
440 State Capital Building
St Paul Minnesota 55155
Phone (612) 596-8640

Senate
State of Minnesota

ROGER D. MOE
Senator, 2nd District
VICTORY LEADER
Room 1, Box 86 A
111 East Minnesota Street
Phone 338-5747
Room 308 State Capital
St Paul Minnesota 55155
Phone 612-596-2577

Senate
State of Minnesota
September 5, 1986


Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee:

The purpose of this letter is to express my strong support for the location of the OTH-B Radar Receiver Site in the Thief River Falls area. As your review has undoubtedly already discovered, the Thief River Falls community is a vibrant, hardworking community with a strong, patriotic sense.

Also, in favor of the Thief River Falls site, is its suitable land use, land value and the negligible impact the Radar Receiver will have on the surrounding environment.

I know the people of Thief River Falls will welcome the United States Air Force and the jobs this project brings. Please give them your most serious consideration.

Sincerely,

Roger D. Moe
Senate Majority Leader

RDH:amt

15 Sep 86

Dear Col James Lee,

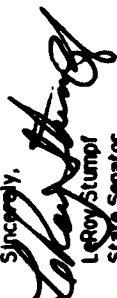
This letter is to express support for the proposed Thief River Falls site for the installation of the Air Force's Over The Horizon Backscatter radar installation

I am the State Senator for District 1 which includes Kittson, Marshall, Roseau, Lake of the Woods, Pennington and Beltrami Counties. The proposed site under discussion would be within that area.

I am pleased to extend to you and the United States Air Force my full support for the selection of the Thief River Falls site for the development of the Backscatter radar installation. I have spoken with many of my constituents and their feeling about the project is positive as well.

We are people that are both concerned for our personal and our national safety. The Over the Horizon backscatter installation appears to have been found to be environmentally safe and would be welcomed in this area. I know that should this site be chosen, the quality of the civilian workforce available from this area would be a great asset to the operation.

If I can be of any assistance to you during the selection process, please feel free to call on me.

Sincerely,

Leroy Stumpf
State Senator
District 1

COMMITTEES • Education • Agriculture and Natural Resources • Transportation • Taxes
• Local Government

ARLAN STANGELAND
1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401
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Cedar Rapids, IA 52401

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1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401

ARLAN STANGELAND
1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401



LAKEHEAD PIPE LINE COMPANY, INC.

1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401
ARLAN STANGELAND
1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401

1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401
ARLAN STANGELAND
1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401

September 5, 1986

1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401
ARLAN STANGELAND
1740 1/2 11th Avenue S.W.
Cedar Rapids, IA 52401

CCD-2593

HQ Electronic Systems Division/SCU
Hanscom AFB, MA 01371

Attn: Lt. V. G. Brown

Dear Sir:

We have reviewed the draft environmental impact statement for your proposed central radar system in northwestern Minnesota and offer the following comments and questions.

Based on the statement contents, it appears the radar system will not affect mobile radio systems operating outside the 5-28 Mhz range. However, we do have a mobile radio system tower located approximately three miles north of the Thief River Falls study area which transmits at 48.82 Mhz and receives at 49.36 Mhz. Will the close proximity of this tower to your proposed receiving site affect our mobile radio system?

We are also concerned about the effects the radar system might have on our pipeline cathodic protection system. Our pipeline consists of 18", 26" and 34" lines, and crosses the two northwestern corners of the Thief River Falls study area. Since this topic was not addressed in the statement, please advise if the radar system will affect our cathodic protection system and what steps we must take to minimize the effects.

If you have any questions regarding our concerns, please contact us at our convenience.

Very truly yours,

D. G. TRIEMMEIER

By R. C. Tribble, P.E.
R. C. Tribble, P.E.

ACT/mjh
cc: Mr. T. J. Gray
Mr. D. J. Jakubek

Congress of the United States
House of Representatives
Washington, DC 20515

September 5, 1986

James A. Lee, Colonel, USAF
Director, Conus OTH Systems Directorate
Deputy Commander for Strategic Systems
Department of the Air Force
Headquarters Electronic Systems Division (AFSC)
Hanscom Air Force Base, Massachusetts 01731

Re: Support for Horizon Backscatter Radar System
Resolution from City of Warren

Dear Colonel Lee:

The attached communication is submitted for your consideration.

If you will please advise me of your action in this matter and have the attached enclosure returned with your response to my Moorhead address, I will appreciate it.

Very truly yours,

Arland Stangeland
ARLAN STANGELAND
Member of Congress
Seventh District-Minnesota

SEP 4 1986

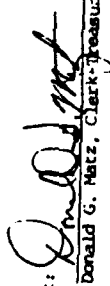
RESOLUTION

WHEREAS, the City of Warren is located within a short distance from the Thief River Falls study area and

WHEREAS, the construction of the Central Over the Horizon Backscatter Radar System would provide the possibility of new jobs in our area,

BE IT RESOLVED, that the City of Warren strongly supports the future location of the Air Force's Backscatter Radar System in the Thief River Falls area.

Attest:


Donald G. Hatz, Clerk-Treasurer

4-393

September 27, 1986

WD Electronic System Division/SCO
OMI-B Systems Program Office
ATTN: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

The Town Board of Norden Township, Pennington County are asked questions about OMI-B that we are unable to answer. The Number One Question is what happens to our tax base. The townships, county and school still need tax money to operate, who will pay?

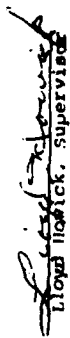
What happens to the valuation of the remaining farm land? Will all roads in the township be maintained by the Air Force or only roads within the Backscatter project?

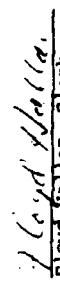
These are some of the questions we are at a loss to answer.


Thank you for your immediate reply and answer to these questions.


Mike Johnson, Supervisor


Wilma Olson, Treasurer


Lloyd Hallan, Clerk


Lloyd Hallan, Clerk
RR #1 Box 200 C,
Thief River Falls, MN 56701


Martin Solseag, Jt. Supervisor

RECEIVED
SEP 28 1986

G4, G6, G7

Donaven D. Dyrda
Sept. 30, 1986
Page 2

7. What assurance can the Air Force give that the site would not be used for disposal of nuclear or hazardous wastes when the OTH-B project is decommissioned?
8. What assurance can the Air Force give that the radar site will not be replaced with an Extreme Low Frequency radar system, or other radar system or project which has been shown to be harmful to human and animal health or life?
9. What assurance can the Air Force give that the exclusion fence, fencing material will be used for the exclusion fence?
10. What assurance can the Air Force give that this area will not be subject to expansion of the site with additional land being taken for the project?
11. Does the Air Force intend to use leased land and if so, upon what factors will these leases be based?

You may respond to me at:

RE 1, Box 216A
Thief River Falls, MN 56701

Sincerely,

Donaven D. Dyrda
Donaven D. Dyrda
(218) 681-6606

DDO:djm

CC: Congressman Arlen Specter
Senator Rudy Boschwitz
Senator Dave Durenberger
Governor Rudy Perpich
Senator LeRoy Stump
Representative Wallace Spurly

1 OCT 06 1986

Donaven D. Dyrda
RE 1, Box 216A
Thief River Falls, MN 56701
Sept. 30, 1986

HQ Electronic Systems Division/ 300
OTH-B Systems Program Office
Attn: Lt. V. O. Brown
Wanasco AFB, WA 91731-9000

RE: Proposed Site - Thief River Falls

Gentlemen:

I am writing this letter regarding the siting process for the OTH-B radar project. I do not feel that the residents of the local area, including myself, have received adequate information to support this project. Your responses to the following questions would be greatly appreciated.

1. Exactly how does the Air Force plan to offset the shift in tax burden to local residents?
2. If the "offset" will include offering services, such as plowing and maintenance of roads, which would have to have been done by the township or county, please give me a breakdown of the employee time that the local government unit would be saving.
3. What restrictions will be made on recreational use or use of firearms in the area? For how many miles surrounding the radar site?
4. What restrictions will be made on the use of high tech farming practices, such as closed circuit TV, computerized equipment, laser beams or other electronic measuring devices? How would these restrictions be related to relative conductivity of the soil? What is the maximum number of miles for which these restrictions might be made surrounding the radar site?
5. What protection will local landowners have against any devaluation of land adjacent to the site caused by this project, such as the creation of replacement wetland areas? Will a tort claim for damages be available to owners of devalued land or businesses?
6. If the Thief River Falls site was chosen, which present roads would be destroyed? Would there be any compensation for farmers for additional transportation expenses if they farm land on both sides of the radar site?

Donaven D. Dyrdal
Sept. 30, 1986
Page 2

7. What assurance can the Air Force give that the site would not be used for disposal of nuclear or hazardous wastes when the OTH-B project is decommissioned? 209
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9. What type of fencing material will be used for the exclusion fence? 211
10. What assurance can the Air Force give that this area will not be subject to expansion of the site with additional land being taken for the project? 212
11. Does the Air Force intend to use leased land and if so, upon what factors will these leases be based? 213

You may respond to me at:

RR 1, Box 216A
Thief River Falls, MN 56701

Sincerely,

Donaven D. Dyrdal
(218) 681-8606

DDDD:djm

CC: Congressman Arlen Stangeland
Senator Rudy Boschwitz
Senator Dave Durenberger
Governor Rudy Perpich
Senator LaRoy Stumpf
Representative Wallace Sparby

1 OCT 06 1986

Donaven D. Dyrdal
RR 1, Box 216A
Thief River Falls, MN 56701
Sept. 30, 1986

G4, G6, G7

HQ Electronic Systems Division/ SUD
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

RE: Proposed Site - Thief River Falls

Gentlemen:

I am writing this letter regarding the siting process for the OTH-B radar project. I do not feel that the residents of the local area, including myself, have received adequate information to support this project. Your response to the following questions would be greatly appreciated.

1. Exactly how does the Air Force plan to offset the shift in tax burden to local residents? 185
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6. If the Thief River Falls site was chosen, which present roads would be destroyed? Would there be any compensation for farmers for additional transportation expense if they farm land on both sides of the radar site? 208

Sept 28 1968

G4, G6, G8

Dear Sir,

601-2-8 1968

I live west of Third River Fall in the proposed area for the receiver site. My husband and I have 4 children and lived here 30 years building up our farm. We have worked very hard paying for our farm in which we have 1000 high priced for our land. About devaluation of our land, we have good soil here. It wouldn't be fair to people around the site to have to take less for their property after working years to build in further here, so we can retire, or maybe one of our 3 sons or daughter would like to take over the farm.

We also have 5 grand children. I am at home, and would like to know that this farm is a safe place for them to stay & visit. I am worried about health problems for our future generation. Also after 15 to 20 years if the site around be made into a nuclear waste dump. What assurance do we have that it won't be a dump or that it is a safe area to live in?

Also wonder how close a family can live to this receiver site?

With out working day after day about what will happen to our health & or do we just have to move out of our farm home - where it took years to establish.

There are other questions to be asked. How do we make up for loss?

What about the wild life in our area - what becomes of them?

Who will come in and build this receiver site?

Who will be employed when the site is completed?

Will anyone from our area be employed at the site?

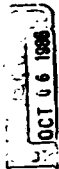
How many jobs will people from our local area have at the site? Will it be safe to farm around the receiver site?

How close can a person be outside the fence?

Will there be radiation close to the fence or the path of the Antennas?

Thank you!

Mrs. David Palmer
Third River Fall
Route #1 Mann.
56701



Route 1 Box 161
Thief River Falls Mn. 56701
October 1, 1986

HQ Electronic System Division/SCO
OTH-B Systems Program Office
Hanscom AFB, Ma. 01731-5000

Attn Lt. V. G. Brown

G1, G4, G5, G6, G7, G8

As a Supervisor on the Numedal Town Board, and as a farm owner/ I
oppose the Thief River Falls site for the Over the Horizon Backscatter
project for the following reasons

1. Tax loss to our township and an increased burden to farmers already
suffering from farm economy.

2. Destruction of roads. Our township has had a difficult time getting
roads improved and now we may loose what we did accomplish.

3. Inconclusive evidence regarding health issues is a main reason for

my family. My wife suffers from a lot of illnesses and would be a prime

victim. We constantly hear of the results of radiation to those in a

particular area AFTER the facility is built and established. To make

delve into any records substantiates this. Shouldn't the health of American

citizens be the main concern to our government. It would seem that the

area west of Thief River Falls isn't as populated and we are the guinea pigs.

Our governor opposes the Wheaton site - why not us, but that is not your

problem, and I am sure he will hear what Pennington Co. thinks of him.

4. Another reason is the future use of land when the OTH-B is decommissioned

We know the Department of Energy has already asked Congress for help in

locating a nuclear dump site because they could not find one. It is ironic

that we were also in that site for a nuclear dump. Still more ironic is that
so was the Wheaton site.

5. Our farm has been in the family for over 35 years and my wife and I hope our
children will carry out the tradition. The OTH-B site could put restrictions on
farming practices - alteration of drainage courses - creation of new wetlands.

6. The Air Force does not want any electromagnetic interference such as welders
for a distance of 5 to 25 miles underground. A welder is a necessity for a farmer.

7. Will this be a low frequency site - This of course would be dangerous to health.

8. Why were your meetings set up on an election night - Township officials like
myself could not attend.

9. Just how many jobs can the Air Force guarantee for construction and after?

I realize you have a difficult task in that no site is acceptable to all but this is
a farming area that is productive, and you will be destroying a way of life that
already is becoming extinct.

May I hear from you?

Respectfully

LaVerne M. Hamre
LaVerne M. Hamre

③ P.S. Can we get more time to gather
names for a petition.

As concerned CITIZENS, we strongly
 OFFUSE THE LOCATION OF THE CTN-B
 (over THE HORIZON - back scatter) radar
 project IN THE THIEF RIVER Falls study
 area

RECEIVED
 JUN 10 1969

NAME	Address	PHENS
Stan Dunch	P.O. Box 90 Chicago City, Ill. 60603	257-5965
Jane Rovey	11973 306 St Lindstrom 55045	257-5785
Mike Wadland	41 NEWELL AVE 55045	257-6776
Muriel Clay	P.O. Box 0 Chisago City, Minn 55013	257-1828
Frank Quenka	P.O. Box 50 Chisago City, Minn 55013	257-2431
Frank Rogers	Washington D.C.	257-2431
Karl Steno	60 Park Island Water City	257-6816
Dellene Dunsenka	Box 50 Chicago, Minn	257-6816
Bob Dunsenka	Box 0 Chisago City	257-6816
Paul Connolly	Box 232 Chisago City	257-6816
John A. Ennis	18875 N. Lawrence Ave. Lincoln, Minn 55013	257-5712
Henry J. Schupp	8530 28th St. N. Chisago City, Minn 55013	257-6218
Donald Naim	16625 310th St. Chisago City, Minn 55013	257-6998
Wm. G. 7th	12295 Madison St. Chisago City, Minn 55013	257-1921

.....
 federal use," when the radar project
 is decommissioned. This could happen
 as early as twenty years from the
 start of the project. The question
 arises as to what other federal use
 might be made of this land. A nuclear
 power plant is one possibility.
 In the possibility that a few of the
 employees at the radar site might
 be interested in the land, the
 possibility of a transfer of the land
 to the community of Thief River Falls
 is worth the risk of:
 (1) Increased tax burden to local
 farmers;
 (2) Damage to cropland and natural
 resources.

(3) The likelihood that in a few
 years the radar site would be replaced
 by another radar site.
 It has been noted that the public
 hearing on the radar site was held
 at the primary election which prevented
 the attendance at the hearing of many
 local farmers and other citizens who
 have expressed the concern of the
 rural community. Information about
 the issues and distribution of copies of
 the environmental impact statement
 were not effectively done in the rural
 area.

I feel that it is a mistake for anyone
 to commit their land to this project
 until they are fully informed about the
 implications to the future of this area.
 Although the public hearing is over,
 copies of the environmental impact
 statement are still available. Written
 comments will still be received until
 October 1, 1969. I strongly urge people
 to take the time to become informed
 and make comments. Comments for the
 environmental impact statement should
 be addressed to: HQ
 Electronic Systems Division-SCD,
 OTS-9, Systems Program Office,
 AFM-14, V.C. Brown, Hanscom AFB,
 MA 01914-0001.

Sincerely,
 + Duane Dyer
 Rt. 1 Box 214A
 Thief River Falls, MN 56581

new location north of town

G1, G3, G4, G5, G6, G8

.....
 To the Editor:
 On September 9, I presented in
 testimony at the public hearing in
 Thief River Falls for the proposed central
 radar system. I am concerned about
 the possible selection of the Thief
 River Falls site for several reasons.
 The location of the radar receiving
 facility within the Thief River Falls
 area would require either the loss of
 productive agricultural land or the
 construction of a wooded area or
 a combination of the two.

The loss of 1,400 acres of productive
 farmland would be felt primarily by
 the township in which it is located.
 I would assume that the tax burden on
 longer chargeable to those who
 would be added to the other land
 owners in the area. At a time when
 local farmers are having a difficult
 time financially, this increased cost is
 potentially devastating.

The loss would be felt in a more
 indirect way for local businessmen by a
 potential \$20,000 loss in taxable
 income for farmers (60 bushels per
 acre at a cost of \$2.50 per bushel) on
 1,400 acres.
 The loss of the area when wetlands
 are destroyed is much more
 difficult to calculate. It is very hard
 to tell how changes in the wetlands
 system will affect the surrounding
 farm land. The loss of many of the
 small wooded areas can mean in-
 creased erosion and wind damage to
 crops. The environmental impact
 statement states that one possible
 mitigation procedure for drained wet-
 lands is to establish new wetlands in
 the surrounding area. Then new wet-
 lands would be located on "drained"
 agricultural land.

It is not difficult to imagine the
 impact of the loss of the wetlands
 system. The loss of the wetlands
 system would mean the loss of a
 large number of species of
 deer, muskrat and many species of
 smaller animals. This project would
 interrupt feeding patterns and natural
 habits and flight paths. It would also
 destroy many of the wooded areas
 that these animals use as shelter.

A more indirect result of the
 destruction would be felt in a possible
 decrease in the number of large game
 and waterfowl hunters from other
 parts of Minnesota coming to the
 area. Those who use the wetlands and
 wooded areas for recreational hunting
 will probably be less likely to choose
 Pennington county if the feeding sites
 and habitat have been destroyed.

The environmental impact state-
 ment indicates the probability of
 the loss of the wetlands system
 and the loss of the wetlands system
 as a result of the radar project.
 It is my hope that the project will
 be abandoned before the effects
 are too great.

In the environmental impact
 statement (page 2-6) the statement is
 made that "if the land was purchased,
 it would be made available for other

As concerned citizens, we strongly
oppose the location of the OTH-B
(over the horizon - back scatter) radar
project in the Thief River Falls study
area

NAME	Address	PHONE
Tim Foster	P.O. 157 STACY MN.	462-5506
Steve Skoug	23023 Meadowbrook Rd. N.	433-3714
Paul C. Carr	P.O. 187 Chisago City	252-2734

4-399

Sanders Township
Route 5, Box 56
Thief River Falls, Mn 56701
September 29, 1986

G4, G6, G8

HQ Electronic System Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

We the officials from Sanders Township, Pennington County, Thief River Falls, Minnesota, strongly oppose the location of the Over-The-Horizon - Backscatter Radar Project in the Thief River Falls study area.

We are concerned about the tax loss to our township and devaluation of land. This township is a farming community, and there will be restrictions on farming practices near the site area. We are concerned about the future use of the land when OTH-B is decommissioned. There is inconclusive evidence regarding health issues.

Sincerely,

SANDERS TOWNSHIP OFFICIALS

Clarence H. Anderson

Clarence H. Anderson, Chairman

Eileen Hoefler

Eileen Hoefler, Clerk

Wendell Ortloff

Wendell Ortloff, Supervisor

RECEIVED
R706860

Comment to the Environmental Impact
Analysis Process - Over the Horizon
Backscatter Radar Program - Central Radar System

October 1, 1986

I would like to thank the Department of the Air Force
for the opportunity to comment on this Draft Environmental
Impact. I will not comment much on the Radar system
itself, as I am not qualified to do so. I will say at this
time I do think that this amount of land and its possible
adverse impact is a very heavy price to pay for an entire
hour of or two of warning.

I am very familiar with the Thief River Falls Study Area.
I have a BS in Zoology from the University of Minnesota. I
have more than a casual interest in birds, also. The white
belly's Snapper (*Cyprinidum candidum*) is found within the
Study area, not just south of the area as mentioned in the
Ornithology. I located it in an area locally known as Stony
Lake (T153W, R46W, 1) Grant Township in Polk County. There
is also elk closer to the Thief River Falls Study Area than
this Ornithology says. There is a herd of 20-30 animals
approximately fifty miles to the northeast. These animals
are obviously of little import to this report.

I would really like to emphasize the importance of where
this Radar system is located within this Study area. No one
thinks WMA (Wildlife Management Area) Study area. No one
thinks wetlands are the home to many waterfowl, large
numbers of game animals, and a host of other animals like
and the quail, sandhill crane, sharp-tailed sparrows, and
a whole population of greater prairie chickens, a nesting
of some of the remaining grasslands. In addition to this
the area is indeed a migration route for many species
of birds. These birds species range from red-tailed hawks,
to white, to great blue herons, to black-bellied waders,
very great disruption to a migration route. To put
this radar system anywhere near this would cause
destruction of all or part of this band of wetland.

186

Complex would be a major tragedy. If this radar system
was to be placed in the Thief River Falls study area at all,
then let it be put in the Northwestern part of the
Study area. The best area of all would be bounded in the
east by the Polk County line and in the south by the
gravel pits (see page 2-21). Then that area there
might be some minor benefit. There the grassland
that would be planted would keep the Sandy soils from
eroding so much.

186

Shelley Stone
Route 4, Box 10
Thief River Falls, MN
56761

4(1456

HQ Electronic Systems Division - SC0
 OTH-B Systems Program Office
 Attention: Lt V. G. Brown
 Hanscom AFB, MA 01731-5000

October 1, 1986

Dear Lt. Brown:

Allow me to introduce myself and explain my interest in the OTH-B Program. I am a senior electronics engineer by occupation and a captain in the Army Reserve. This is just to let you know that I am familiar with the general concept of Over The Horizon radar and that I do have a technical and military background.

My interest comes from the fact that I am the executor of the estate of my father Earl W. Crown, who had a Contract for Deed with a Mr. Danivan Dyrdal on a farm southwest of Thief River Falls, Minnesota. The estate is now in mediation with Mr. Dyrdal and one possible result is that my two sisters and I would acquire possession of the farm. In that event I would be interested in either selling or leasing the land. I found out about the OTH-B project and, since I cannot attend any of the public hearings back there, I am writing to express my interest and am requesting a copy of the draft E.S. any proposals developed by the Air Force regarding the purchase or lease of land.

The farm is in Bray Township, Pennington County and is described as: All of Section 15 and the NW¹/₄ of the NW¹/₄ and the SW¹/₄ of the NW¹/₄ and the NW¹/₄ of the SW¹/₄ and the SW¹/₄ of the SW¹/₄ of Section 14 (See the enclosed map).

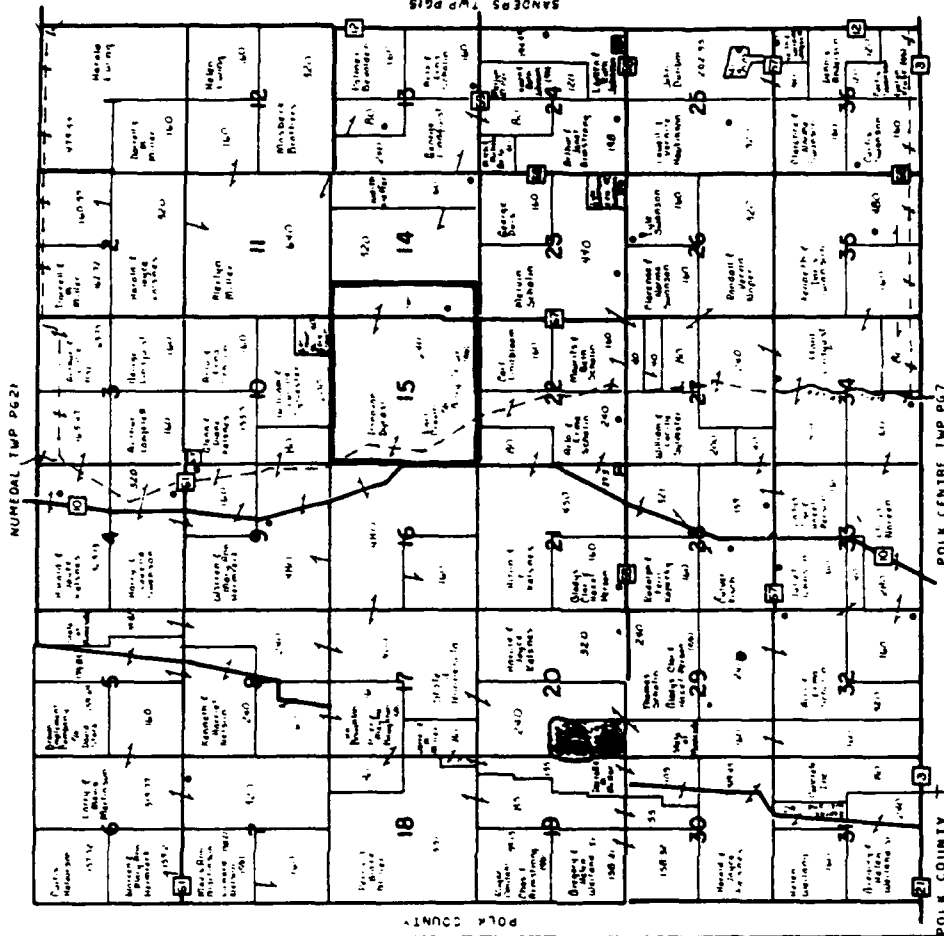
Sincerely,

Gary L. Crown

Gary L. Crown
 205 Stanley Drive
 Santa Barbara, California 93105

BRAY

T.153N. - R.45W.



NORTHLAND SEED & PRODUCE

Alvin & Eleanor Dicken, Owner
 Phone: 681-2420
 416 Atlantic Ave. No.
 Thief River Falls, MN



• Northrup King Seed
 • Eggs & Chicks

10-1-86

Peter Hapka
Rt 2, Box 43
Warren, Mo.
56762



(218)

Dear Mr. W.A. Brown:
G3, G4, G5, G6, G7, G9

I thank you for the opportunity to comment on the proposed backscatter radar site west of Shiloh River Falls.

I am opposed to the siting of this facility at the T.R.F. site because it takes away to much good farmland and to many farmers will lose their living and have to sell out at the depressed land prices we now have. I don't think the new jobs it will offset the loss of farm families evicted from their premises.

4-402

In 20 years this site may be obsolete and the land could be used for a federal nuclear waste repository and I am very much opposed to that. Can you state this will never be a nuclear waste facility?

A lot of waterfowl fly through this area on their migration and I think this will have an adverse effect on their flying routes and use of the waterfowl reserve nearby. Will it have an adverse effect on waterfowl deer for and other wildlife in the area?

Are you going to have any more sites on neighboring farms drainage and will cause flooding and crop damage. Will you guarantee drainage patterns will not be affected?

Are you going to cut off roads to neighboring farmers will lose the existing access to their farmland. Are you going to take a big bite out of tax income for Township and county growth, we won't be able to survive with a cut in our revenue. Are you going to keep paying the local taxes on this land like the rest of us farmers have to?

Also I'm concerned about our radio telephone operation, are our phones and radios (business band) going to work, and work just as well as they are now? How about our TV reception, are we going to lose our access to news and world events through the loss of TV's radio reception?

Please do not site it here!

Sincerely
Peter Hapka

16 1986

Mr. Mrs. John Umlahl
Route 2, Box 42
Harrien, Wn. 98702
September 28, 1986

Central Radar System - Over-The-Horizon-
Backscanner-Radar-Program
Draft Environmental Impact Statement
Attn: Lt. V. A. Brown
ESD/SCD

Hanscom AFB, MA. 02131

Lt. Brown:

In complying with the October 6, 1986 deadline for public response, the following are questions my wife and I have concerning the Over-The-Horizon Backscanner-Radar-Program.

Please answer with a simple Yes or No on the following questions:

1. As you know, the Dept. of Energy has designated this area west of Chief River Falls as the "WC-6" site. If you acquire this same approximate area by usurpation for your Backscanner-Radar-Program, will a portion of this become the nuclear dumpsite the DOE has sought?
Yes ☐ No ☐
2. If this project is undertaken, will it become obsolete or bar-gained away with a treaty within a few years such as the ABM system was? Yes ☐ No ☐
3. Can you guarantee us (the nation) that this radar system will function? Yes ☐ No ☐
4. Or is this a military spending project only? Yes ☐ No ☐
5. Is this project in any way related to the Star Wars Research "SDI"? Yes ☐ No ☐
6. And will SDI make this system obsolete? Yes ☐ No ☐

The following are questions and comments. Please give a brief and specific answer to those questions and comments.

1. How many jobs will be gained versus how many people will be displaced in this specific site area by your radar program?
2. Does this project in any way protect us from a Soviet threat, or would our time and energy be better spent in a peaceful effort?
3. Can you guarantee that this radar system will not interfere with our business band/telephone operations, or other forms of communications such as television, radio, etc?
4. How many rural roads and drainage systems will be disrupted?

5. How will you reimburse the county and townships for land removed from the tax rolls? 192

6. How will this radar system affect the bird migration pattern? How will this affect the tremendous wildlife population in this area? 193

7. Why was your public hearing held on a primary election night when voters could not be at the poles and at your hearing at the same time? 194

8. The U. S. budget is in such a deficit condition and getting worse daily. How can you justify spending this kind of money for a radar system that is going to tell us of incoming missiles; at that stage, what difference does it make? 195

Final comment:

Northwestern Minnesota has been bombarded in the last year first with the nuclear dump issue (which is only in a temporary state of limbo and due to resurface after the 1988 elections), then your grand plan for some radar facility, and also the upcoming lowlevel issue (Midwest Regional Compact). What is the next plan on a government scale, or private scale? Why is this area so popular? Do you feel that because agricultural areas are in economic constraints, farmers will grab up your land-buying offer? This bombardment of our area will be resisted by us. For beginners, we and others have signed a petition against this radar program. If pursued, I can assure you that you have no heard the last from us.

cc: Senator Dave Durenberger
Minnesota Public Interest Research Foundation
Mr. Don Dyrdal
File



October 15, 1986

WQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000


RE: Proposed OTH-B Site - Thief River Falls, MN

Gentlemen:

On behalf of the Pennington County Board of Commissioners I am writing to request a speedy response to the letter dated September 30, 1986, from Don Dyrda. The County Board would like to have a copy of this response for the October 28, 1986, Board meeting.

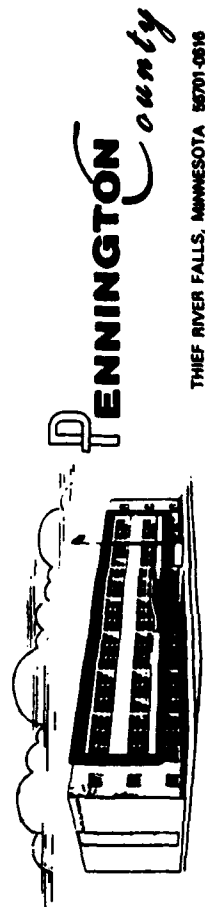
If a response cannot be made by this time perhaps the date for comments should again be moved back. We feel the concerns of these citizens deserve answers.

Sincerely,


Kenneth Olson
Auditor

Enc.

"Equal Opportunity Employer"



RESOLUTION

WHEREAS, a delegation of concerned citizens met with the County Board on October 14, 1986, to discuss the OTH-B radar project proposed site near Thief River Falls, MN.

WHEREAS, they have numerous concerns about the possibility of the receiver station being located in their area and have listed these concerns in their letter of September 30, 1986, to Lt. V.G. Brown, Hanscom AFB, MA.

NOW, THEREFORE, BE IT RESOLVED that the Pennington County Board send a letter to Lt. V. G. Brown requesting that these concerns be answered in time for the October 28, 1986, County Board meeting for the review of the Board.

CERTIFICATE

STATE OF MINNESOTA
COUNTY OF PENNINGTON

I, Kenneth Olson, Auditor of Pennington County, Minnesota, do hereby certify that the above is a true and correct copy of a resolution introduced by Commissioner Hoffman, duly seconded by Commissioner Swanson and unanimously adopted at the regular meeting of the Board of Commissioners held on October 14, 1986.

October 14, 1986


Kenneth Olson, Auditor

"Equal Opportunity Employer"

LeRoy Stumpf
State Senator
District 1

Rt. Box 47

Minnetonka, Minn 55749


218-445-4374

Dear General Lee,

I am writing regarding the proposed OTH-Backscatter radar project proposed near Thief River Falls, Min. There is a growing number of local residents who have questions concerning this site. In order to adequately answer all of these questions, I am asking that the comment period be extended to January 1, 1987.

Thank you for your consideration of this important extension.

LeRoy Stumpf



State Senator
District 1

G1

September 26, 1986

HQ Electronic Systems Division/SCD

Attn: Lt. V. G. Brown

Hanscom AFB, MA 01371

Dear Lt. Brown:

We do not hold you personally responsible for the threat of displacement under which our family is living; however, we must register our objections to locating an Over-the-Horizon Backscatter Radar Facility on our farmland. We would also like answers to some questions that are bothering us. We were denied our right to make public comments and ask questions as the hearing was held in North Dakota on the primary election night for Minnesotans.

First some background. The farm on which we live has been in the family for three generations. In ten years it will be a Centennial Farm. We would like to make it to that point and far beyond.

We have worked our entire lives to build up, purchase, and maintain our agricultural lifestyle. And we have been successful. In this economic environment of agricultural hardship and farm foreclosures, we, just this summer, were able to purchase another quarter section of land to give us 1000 acres. Since the purchase we have spent countless hours and many dollars breaking it, cultivating, ditching, seeding cover crop, and picking rocks, for our future. We are not wealthy and never expect to be. We do, however, expect to hold on to that which we have worked so very, very hard to attain, survive somewhat comfortably, and be happy doing what we have chosen. We want our children and extended family members to be able to return to their childhood farmstead. We intend to continue to enjoy our farm work, poultry, pets, gardens, and privacy which is invaded only by the wildlife that peacefully co-exists with us.

But our concern is broader still, as the following questions demonstrate:

1. Why does such an outrageous amount of money need to be spent on a system with a life-expectancy of 20 years? Bad investment of public dollars.
2. Why should a radar system to detect planes coming over the Gulf of Mexico be located in northern Minnesota?
3. Why must we as a nation conduct ourselves in a manner that creates hostility and threat of attack from other nations?
4. Why can't this money be spent to meet the needs of those in our country who cannot, for a variety of reasons, meet them themselves?
5. What are the health effects of living near an unsightly and highly charged radar site?
6. How much radioactivity will be released by such a facility? Acceptable levels?

Oct. 20, 84

RECEIVED
OCT 24 1984

Dear Sir,

I'm replying to the Radan letter
Radan Project.

I have been to several of the
meetings, and read different material
pertaining to the project.

From what I have heard and

read, I cannot see where the
community would benefit in any
way. In fact I believe we

stand to lose a great deal

of revenue because of the

Farm - land which would be

out of production. And that

in turn would also affect all

the businesses which are

directly involved in agriculture.

And also indirectly.

We in agricultural community can

cannot afford such a loss.

I myself am in the animal spraying

business and it would certainly affect

me.

Sincerely
Ph. Hind

7. How many acceptable levels of radioactivity can people be exposed to before it becomes unacceptable? Is radioactivity not a cumulative process?

8. How are counties and townships used for this site expected to recoup the loss of tax revenue that will occur when private lands (taxable) are switched to public lands (non-taxable)?

9. How are the small town businesses expected to survive the loss of income resulting from the loss of productive farmland income?

10. Why does this site have to be located on productive, private, income-producing (food-producing) land?

11. What are the long-term effects of draining wetlands that are natural habitats for waterfowl and a variety of other wildlife? How can these effects even be calculated in advance?

12. Obviously breeding and feeding patterns for deer, moose, fox, and many other small animals will be disrupted. To what extent will this endanger many species, or at best, lead to a severe decline in recreational game hunting, a source of revenue for local businessmen?

13. When the site is decommissioned in 20 years and made available for other federal use (Environmental Impact Statement, p. 2-9), what federal use can we expect? A NUCLEAR WASTE DISPOSAL SITE? Is that not a federal project?

14. Lastly, what do you expect those of us who are displaced to do with the rest of our lives once everything we have worked for is taken away from us to be used for war games?

As you can see, we are strongly opposed to locating a radar site in northern Minnesota, and opposed to the concept itself. Since our right to make these comments publically was denied, we felt compelled to put them in writing.

Thank you for your attention. We await your reply.

Sincerely,

Faith Rud

Faith Rud
Route 3 Box 152
Warren, MN 56762

Sincerely,

Larry Rud

Larry Rud
Route 3 Box 152
Warren, MN 56762

10-20-86

Anton P. Rader
710 1/2 Red Lake Blvd.
Thief River Falls, MN. 56701

Lt. V.G. Brown
ESD-SCO
Hanscom Air Force Base, MA 01731

RECEIVED
OCT 21 1986

G2, G8

Dear Sir,

I am writing this letter in opposition to any type of site in this the Thief River Falls area. Whether it be a RADAR site or a HAZARDOUS WASTE site (Nuclear or Toxic).

It is my opinion that we, (our society), waste far too much and consider far too little. A prime example is just this case. I feel that it is a complete waste of our Tax dollars to build a radar site which will soon be obsolete, when we could use our satellite technology to do the same job with far less health risks to be considered.

Secondly, the inconsideration to the residents of the area. If you were to take a close look at the proposed area you would see, FAMILY farms, Wetlands which supports vast numbers of waterfowl, and wooded acreage which supports numerous types of big game animals and upland game, and last but not least other rural residents.

As a citizen, family man, and a sportsman I have many fears and concerns.

As a citizen, I'm concerned with what appears to be a real waste of tax dollars, in an almost obsolete system at a time with a real deficit in our government for more needed projects. Like the clean up of present hazardous waste sites.

As a family man, my fears are as such. The health risk of the proposed radar site to my family and the fear of maybe a hazardous waste site in the same area. To think that no health risk is involved is idiotic. To believe that the two sites coincidentally are being sited in the same area is insulting to the intelligence of all those affected.

As a sportsman my fears are, even more regulations to our already confusing game laws and regulations. And also the same health effects for the animals involved.

Thank you for your time a response would be greatly appreciated.

"CONCERNED"

Anton P. Rader

Anton P. Rader



2187064-8272

RECEIVED
OCT 21 1986

Red Lake Falls, Minnesota 56750

OCT 21, 1986

Lt. V.G. Brown
ESD-4CU
Hanscom AFB, MA 01731

G1, G6, G9

Dear Lt Brown:

Steiger Farms would like to have the Air Force answer a few questions we have about the OTH-B receiver site being proposed for the Thief River Falls, MN area. As a land owner in a portion of the designated study area we do have a concern about the procedure of comment and response pertaining to site selection. Steiger Farms also has a few questions about possible restrictions on certain farming activities in the immediate site area if the TRF, MN site is chosen.

First, we understand that the Air Force will answer the various issues of concern only after the Oct 31, 1986 deadline for comments. Steiger Farms would like to be assured that if any answers that create restrictions on the farming activities in the area of antennas are excessive (ie. no spraying via aircraft, no use of radio communications etc) then we would like to be able to resolve a workable solution prior to construction of the site.

Second, we have concerns as to whether various types of electronic equipment will be restricted (or military radio interference will render useless) and within what distance. Specific devices: Business band radios, aerial laser land leveling systems that have micro circuits for signal processing.

Third, we have seen in the environmental study that the Air Force has concern of outside radio frequency generation that will affect the OTH-B system. Our specific concern is the use of welding equipment and at what distance if any.

Fourth, will there be a restriction place on aerial crop spraying in the area of the antenna and what restrictions might they be?

Answers to the above questions would be beneficial to formulating our position on the matter.

Sincerely,

Bruce Steiger
Bruce Steiger Sec. Treas.
Steiger Farms, Inc

Oct 20, 1986
Encl'd, 4 items

RECEIVED
RECEIVED

Dear Sir,

In regards to your letter asking for comments on the OT H-13 Control Radar System, I as a Farmer and land owner. Think that Radar System would be excellent for the defense of our country. And I for one would be proud to sell my land in Hennepin County, in the Thief River Falls, Minn. Study Area.

Thank you

Charles Zornert

Red Lake Falls, MN
October 24, 1986

Lt. V. G. Brown
E.D.-30
Hanscom Air Force Base, MA 01731

Dear Sir:

We have been attending meetings in the Thief River Falls, MN area relative to the proposed installation of an OTH-B radar system, besides keeping ourselves informed of the reaction from other areas under consideration.

Each time, we have come away more and more convinced that the opposition to the defense system is comprised of small groups of self-serving interests who have no concern whatever for the defense and general welfare of this country.

As a retired couple, we personally have nothing to gain from this project, but having gone through World War II, and having seen the devastation in other lands, we are determined that our country and our community remain free and protected.

It is our sincere hope that the Thief River Falls site will receive favorable consideration despite this small core of dissenters.

Sincerely,

Mr. & Mrs. Erving Swenson
Red Lake Falls, MN 56750

WILBUR A. HALLSTROM

R. F. D. No. 2 Telephone 664-2600 5539

Red Lake Falls, Minnesota 56780

DEL
R23 Oct 86

10/23/86

G2, G4, G8

Lt. V. B. Brown

ESD-5C0

Hansen Air Force Base, Mo. 64731

Dear Lt. Brown,

I am writing in opposition to the Over-the-Horizon Backscatter Radar project being planned for the area west of Thief River Falls. The line in Black River township. And our land is in Black Center township. - all of which is in the suggested area.

My first objection came because of the "back door" approach used by the Air Force. If they were interested in this land - why did they not go door to door talking to the farmers who own the land? - rather than approach Thief River Falls and John Incorporated. If the shoe was on the other foot. And we are all that to the residents within the city limits they would be screaming louder than we are. Secondly - I see so much waste in government

spending at a time when America's farmers are dropping out like flies and no one in Washington seems to care. My husband said this morning "At the rate farmers are failing around here none of us will be farming by 1988 and then the government will own the land anyway." I have said it before that America's worst enemy will be the unrest from within our own country.

Quickly I feel there are too many unanswered questions about the effects on people, wild life, and the land itself. I don't appreciate being a human guinea pig. Along with this I also question the need for it. I'm hoping and praying that the money will not be funded. I feel much more could be done to work for peace instead of being as concerned about the defense system and military spending.

Thank you!

Yours truly,

Wally Hallstrom

Alvin & Robin Asp
Rt. 1, Box 140
Thief River Falls, MN 56701

October 23, 1986

Lt. V. G. Brown
ESD-SCO
Hanscom Air Force Base, MA 01731

RE: Proposed Site- Thief River Falls, Minnesota

Gentlemen:

We are writing this letter regarding the siting process for the OTH-B radar project. We have been to several meetings in our area but have received very little information on this project. At this time we do not favor the radar receiver in our area because we don't have very much information. We would appreciate, very much, if you could answer some questions we have.

We are concerned with the tax burden that will occur to the township and county when 2,400 to 4,000 acres of land are taken out of the taxed acreage, as would happen to government owned land. How would the Air Force offset the shift in taxes to the local residents?

This area is a favorite hunting spot for many people. What restrictions will be made on recreational hunting or use of firearms in the area? For how many miles surrounding the radar site would there be firearm restrictions?

What type of restrictions, if any, will there be on the use of welders, closed circuit TV, radio controlled equipment, laser beams, or other electronic monitoring devices? What is the minimum distance from the radar site any of these restrictions might effect? What protection will local landowners have against any devaluation of land adjacent to the site caused by this project, such as the creation of replacement wetland areas? Will a tort claim for damages be available to owners of devalued land or businesses?

What assurance can the Air Force give that the site would not be used for disposal of nuclear or hazardous wastes when the OTH-B project is decommissioned?

What assurance can the Air Force give that the radar site will not be replaced with an Extreme Low Frequency radar system, or other radar system or project which has been shown to be harmful to human and animal health or life?

Does the Air Force intend to use leased land and if so, upon what factors will these leases be based? If a land owner doesn't want to sell his land to the Air Force for this project what course will you take?

At an informational hearing at the Norden Township hall west of Thief River Falls, on October 14, 1986, the Air Force was represented by Mr. Tom Kenvell. Mr. Kenvell told us that the Air Force would be hiring 50 people from the site area to work at the site as maintenance workers and guards. Mr. Kenvell told every one present that each of those 50 employees would be making \$30,000.00 per year. Is this information accurate? If so, we are very interested in seeing this information in writing.

Thank you very much for taking the time to read about and answer our concerns and questions about OTH-B.

Sincerely, (Alvin Asp) Delia Asp

RECEIVED
OCT 28 1986

G4, G6, G9

RECEIVED
OCT 28 1986

34

Thief River Falls, Minn.
Oct. 24, 1986

Dear Sir:

On the project, Over The Horizon - Backscatter Radar Receiving System which is being talked about in this area. We want our names removed from the slip of paper we signed at the Best Western, at the first meeting in our town. There are so many pros and cons on both sides and we want our names of.

Thank you.

Edna Aueram
Dorothy Aueram
Rt 5, Thief River Falls

DEFEND



Women Against Military Madness
1255 Hennepin Avenue South, Minneapolis, MN 55408 (612) 827-5364

October 22, 1986

G2, G4, G8

Lt. V. G. Brown
EAD/STO
Hanscom Air Force Base, MA 01731

Our organization represents over 3,000 citizens of the state of Minnesota. We have been following through the newspapers the proposed Over-the-Horizon Backscatter (OTH-B) radar system. It was with great hope that we recently learned Governor Rudy Perpich stands opposed to the development of this radar system as well as almost 100 percent of the citizens from the region which would be affected.

We too stand opposed. The recent increase in potentially destructive and dangerous military-related installations into our state (i.e. Backscatter, National Guard training camp, radio-active waste dumps) remains out of proportion to the unknown damage to both the environment and to the health and sanity of the people in whatever region this installation is placed. In addition, the economic impact to the land value of already indebted farmers has not been addressed. Nor has the vague reference to the land being used for "other federal use" been clarified. The people of Minnesota have said no to a radio-active waste dump in the state, and there is fear that such a dump might appear through a "back door".

At a time when Gramm-Rudman is eating away programs that directly affect the everyday lives of men, women and children, the use of tax dollars to develop a system which will be obsolete in 20 years--not to mention the intermediate damage to the health of individuals and the environment--is not in the best interests of the people of the state of Minnesota.

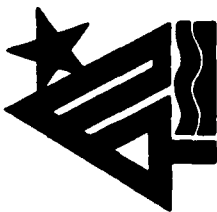
In conclusion, our organization believes that continuous dependence on the military to provide jobs to a community not only creates an environment of war thinking, it in fact incurs an ever-increasing deficit which deprives a growing number of people a safe, productive and happy life--not only in the state of Minnesota, but throughout the world.

Sincerely,

Nikki LaSorella
Nikki LaSorella
Co-director.

*We are concerned about the going land prices
most of the farmers now dump one more then
twice the amount of the going land price and
maybe more? Then what?*

*Also were concerned over what will happen
to this land after this radar system is obsolete
Will this wonder waste be put here, that
they tried to push on us this spring. This is good
farm land and will like to keep it that way*



JOBS INCORPORATED

Rec'd
21 Oct 86

October 27, 1986

Colonel James A. Lee, Director
OTH-B Systems Directorate
Deputy Commander for Strategic Systems
Hanscom AFB, MA 01731-5000


Dear Colonel Lee:

As the local non-profit community development corporation, it is the function of Jobs Incorporated to promote projects and assist private businesses, industry and government with the ultimate goal of retaining existing jobs and creating new ones for residents of our area. We have actively solicited siting of the U.S. Air Force's Over The Horizon Backscatter Radar Receiver Facility for Pennington County.

Jobs Incorporated has consistently monitored the environmental review-public participation process for this project. We continue to believe that the OTH-B Receiver is a "low impact" project that will be of benefit by providing up to 50 permanent civilian jobs for our economically distressed area.

The relatively few, but vocal, persons opposed to the project have raised a number of concerns. Enclosed is a copy of the Air Force's written responses to these concerns which we were able to obtain through the offices of Congressman Stangeland on October 23.

Jobs Incorporated thanks you for your continued support for the siting of the OTH-B Receiver Facility in the Thief River Falls area. If you have any questions, please contact our office.

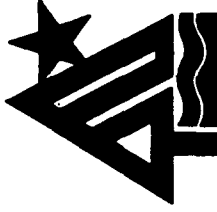
Sincerely,

Roger J. Reuter
President

RJR:ct

Encl.

Note: The responses that the Air Force provided to Congressman Stangeland are not included here because they have been incorporated in the responses prepared for this document.

P.O. BOX 528
THIEF RIVER FALLS,
MINNESOTA 56701
(218) 681-7387



JOBS INCORPORATED

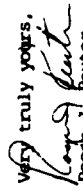
October 23, 1986

TO THE CITIZENS OF THIEF RIVER FALLS AND
PENNINGTON COUNTY

It is the function of Jobs Incorporated, a non-profit community development corporation, to promote and assist industry, private business and government with the ultimate goal of retaining existing jobs and creating new ones for the residents of our area. We believe that the Over The Horizon Backscatter Radar Receiver System is a project that will assist in the materialization of that goal.

A number of questions have been raised and submitted to the United States Air Force by opponents to the project. Attached are responses in writing to some of these questions which we have been able to obtain from the United States Air Force through the offices of Congressman Arlan Stangeland.

If you have any further concerns, please contact Jobs Incorporated.

Very truly yours,

Roger J. Reuter
President

RJR:ct

Attachment

P.O. BOX 528
THIEF RIVER FALLS,
MINNESOTA 56701
(218) 681-7387

4-413

4-414

Jeanette
233 No Marion Chief First Bldg. MD

[illegible]

P E T I T I O N
We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area

Signature	Name	Address
Lowell Hamrick	Lowell HAMRICK	Burnsville, Minn.
Alice Pederson	Alice Pederson	Warren, Minn.
Bardell Pederson	Bardell Pederson	Warren, Minn.
Robert Hamrick	Robert Hamrick	Agass, Minn.
Marilyn Hudak	Marilyn Hudak	LeWasson, MN
Marie Owens	Marie Owens	Angus, Minn.
Kathy Steers	Kathy Steers	Angus, Minn.
Ronda Owens	Ronda Owens	Angus, Minn.
Nancy Winther	Nancy Winther	Warren, Minn.
Cheryl Johnson	Cheryl Johnson	Warren, Minn.
Darrell Navaret	Darrell Navaret	Angus, Minn.
Julie Hamrick	Julie Hamrick	Angus, Minn.
Lorraine Jank	Lorraine Jank	Warren, Minn.
Todd Olson	Todd Olson	Angus, Minn.
Alfred Pearson	Alfred Pearson	Warren, Minn.
Donna Jank	Donna Jank	Warren, Minn.
John Pearson	John Pearson	Warren, Minn.
Wayne Strickland	Wayne Strickland	Enslin, Minn.
Kevin Harnick	Kevin Harnick	Warren, Minn.
Michael Carlson	Michael Carlson	Angus, Minn.
Lori Hamrick	Lori Hamrick	Warren, Minn.
Myle Carlson	Myle Carlson	Angus, Minn.

P E T I T I O N
We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area

Signature	Name	Address
Sandy Hapka	Sandy Hapka	RR2 - Warren, Minn.
David W. Christensen	David W. Christensen	Warren, Minn.
Shirley Hamrick	Shirley Hamrick	RR3 Warren, Minn.
Charlotte Strickland	Charlotte Strickland	RR1 Enslin, Minn.
Raymond Hamrick	Raymond Hamrick	LeWasson, Minn.
Wendy Halbo	Wendy Halbo	Enslin, Minn.
Mandy Miska	Mandy Miska	RR3 Warren, Minn.
Leslie Jensen	Leslie Jensen	RR2 Enslin, Minn.
Janet Solvik	Janet Solvik	RR3 Warren, Minn.
Marlene Benson	Marlene Benson	Warren, Minn.
David Olson	David Olson	Angus, Minn.
Donna Warren	Donna Warren	RR1 Enslin, Minn.
Margaret Carlson	Margaret Carlson	108 So. 6th Warren, Minn.
Janet Hamrick	Janet Hamrick	RR2 Warren, Minn.
Karen Pearson	Karen Pearson	RR2 Warren, Minn.
Martha Hamrick	Martha Hamrick	RR2 Warren, Minn.
Marlyn Christensen	Marlyn Christensen	Angus, Minn.
Marlene Carlson	Marlene Carlson	Angus, Minn.
John Steer	John Steer	Angus, Minn.
Wayne Hamrick	Wayne Hamrick	Angus, Minn.
John Hamrick	John Hamrick	Angus, Minn.
Donna Hamrick	Donna Hamrick	Warren, Minn.

NOT A CARD

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area

Signature	Name	Address
Sharon Larson	Sharon Larson	Rt 6 TRF
Stacy Smith	Stacy Smith	Rt 1 RF
Terese Armstrong	Terese Armstrong	TRF
Buck Walseth	Buck Walseth	St Helene
Robert Salomon	Robert Salomon	TRF
Earl Hansen	Earl Hansen	Dunbar, Mo
Brenda Eckstein	Brenda Eckstein	Shawnee, Mo
Mary Larson	Mary Larson	Newfold, Mo
Harry Mandrud	Harry Mandrud	Shawnee, Mo
Gordon Jensen	Gordon Jensen	Shawnee, Mo
Louise Jensen	Louise Jensen	Shawnee, Mo
Charles H. Olson	Charles H. Olson	TRF, Mo
William E. Olson	William E. Olson	TRF, Mo
Shirley Bud	Shirley Bud	TRF, Mo
Frances Johnson	Frances Johnson	TRF, Mo
Forest Johnson	Forest Johnson	TRF, Mo
Gladys Halstrom	Gladys Halstrom	TRF
Wm. M. Smith	Wm. M. Smith	TRF
Robert Smith	Robert Smith	TRF
Betty Lou Olson	Betty Lou Olson	TRF
Earl Olson	Earl Olson	TRF

UNITED STATES DEPARTMENT OF JUSTICE

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-backscatter Radar project in the Inhofe River Falls Study area

[illegible]

1. We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar Project in the Thief River Falls
Study area

[illegible]

• We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area •

[illegible]

0010171000

We, Concerned Citizens, strongly oppose the location of the Over-
 The-Horizon-Backscatter Radar project in the Thief River Falls
 Study area

[illegible]

Petition

We, Concerned Citizens, strongly oppose the location of the Over The-Horizon-Beckscaster Radar Project in the Thief River Falls Study area

Signature	Name	Address
Gilmer, BAKKEN	GILMER BAKKEN	Rt 1, Highways Falls
Candy Olson	Candy Olson	Rt 3, S. L. Falls, Minn
Mander, Doherty	Mander Doherty	W. 1st St. S. L. Falls, Minn
Stacy, Stetten	Stacy Stetten	Rt 3, Wind River Falls
Marguerite, Hagle	Marguerite Hagle	Rt 1, F. L.
Bob Peterson	Bob Peterson	Rt 3 Box 184 TRF
Mary Dale	Mary Dale	Rt 1 Box 209 TRF
Gayle, Stetten	Gayle Stetten	Rt #1 Box 156 TRF
Stacy Vagle	Stacy Vagle	River View, Minn. Rt 104-190
Adeline, Haggerty	Adeline Haggerty	Staten, Box 126
Sharon, Haggerty	Sharon Haggerty	Staten, Box 126
Jean, Carpenter	Jean Carpenter	Rt 1 TRF
Yvonne, Hansen	Yvonne Hansen	Rt 1, Newell, Minn. Rt 126
Delbie, Cuthbert	Delbie Cuthbert	J. W. S. S. S. L. Falls, Minn
Bernice, Klenk	Bernice Klenk	Rt 6, F. L.
Judy, Moskos	Judy Moskos	Rt 5, F. L.
Jane, Lohken	Jane Lohken	Rt 6, F. L.
Kathleen, Hansen	Kathleen Hansen	Rt 1, Box 126
Evelyn, Hansen	Evelyn Hansen	Rt 1, Box 126
Edmund, Haggerty	Edmund Haggerty	Rt 1, Box 126
Charlotte, Haggerty	Charlotte Haggerty	Rt 1, Box 126

*** We, Concerned Citizens, strongly oppose the location of the Over-
* the-Horizon-Backscatter Radar Project in the Thief River Falls
* Study area ***

Signature	Name	Address
Jewel Helen	Jewel Helen	R.R. Kadinge
Jane Helen	Jane Helen	TRE
Barb Picoler	Barb Picoler	CRYGKA
Mrs Ray Berg	Jane Berg	TRE
Marv Graham	Tamr Eckstein	TRE
Leona Wickel	Leona Wickel	EDGE, MN
Ann Flecklin	Ann Tecklar	TRE
Elizabetha Hanna	Elizabetha Hanna	744 74th
Marion Larson	CARMEN LARSON	1110 1/2 Avenue 18th Ave NW
Albert C Lars	ALBERT C LARSON	103 N. 3rd St. Minneapolis, Minn
Gray Dugnette	Gray Dugnette	1103 1/2 1st Ave NE
Myrtle M. Hanson	Myrtle M. Hanson	1103 1/2 1st Ave NE
Pat Kington	Ms. Willie McLean	601 1/2 Madison Ave. S.
Janet Berg	PAT KRISTOFFER	803 N. Duane St.
Betty Dahl	SELENE KRISTOFFER	SOS N. Duane, TRE
Edna Dahl	Betty Dahl	304 1/2 1st Ave
Gerty Olsen	Edna Dahl	TRE
Jan Messen	Gerty Messen	1016 1/2 1st TRE
Jan Messen	Jan Messen	601 1/2 1st ST TRE
Leona Wickel	Leona Wickel	1103 1/2 1st
Rebecca Wickel	Rebecca Wickel	1103 1/2 1st

PETITION

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area

Priest

Signature	Name	Address
Alvin G. Gabel	ALVIN GABELS	Rt 1 TRF, MN
Jay Tunkison	JAY TUNKISON	TRF, MN
Carl Sandwell	CARL SANDWELL	TRF, MN
David Bradley	DAVID BRADLEY	TRF, MN
Dan E. Severson	DAN E. SEVERSON	TRF, MN
Leslie Grisanti	LESLIE GRISANTI	TRF, MN
Jack R. Liden	JACK R. LIDEN	TRF, MN
Matthew Samuelson	MATTHEW SAMUELSON	TRF, MN
Brad Storer	BRAD STORER	TRF, MN
Greg Sandahl	GREG SANDAHL	TRF, MN
Randy Jacde	RANDY JACDE	RT TRF, MN
Mark Zimmer	MARK ZIMMER	TRF, MN
Kella Lunden	KELLA LUNDEN	TRF, MN
Budare Kloppe	BUDARE KLOPPE	TRF, MN
Sander R. Joppa	SANDER R. JOPPA	TRF, MN
Edward Holmstrom	EDWARD HOLMSTROM	TRF, MN
Dan L. Liden	DAN L. LIDEN	TRF, MN
Dan L. Liden	DAN L. LIDEN	TRF, MN
Alvin G. Gabel	ALVIN G. GABEL	TRF, MN

PETITION

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area

Signature	Name	Address
Anthony Williams	ANTHONY WILLIAMS	Thief River Falls, MN
Harvey Hanson	HARVEY HANSON	Thief River Falls, MN
Paul Brakes	PAUL BRAKES	Thief River Falls, MN
Melinda Heaton	MELINDA HEATON	Thief River Falls, MN
Marie Weber	MARIE WEBER	Thief River Falls, MN
Dennis M. Knoll	DENNIS M. KNOLL	Thief River Falls, MN
Walter H. Vollbrecht	WALTER H. VOLBRECHT	Thief River Falls, MN
Charles H. Hiron	CHARLES H. HIRON	Thief River Falls, MN
Myrtle Deury	MYRTLE DEURY	Thief River Falls, MN
Peggy Kunk	PEGGY KUNK	Thief River Falls, MN
Agnes Mosbeck	AGNES MOSBECK	Thief River Falls, MN
Steven Johnson	STEVEN JOHNSON	Thief River Falls, MN
Donald Peterson	DONALD PETERSON	Thief River Falls, MN
Lowell Lindenberg	LOWELL LINDBERGH	Thief River Falls, MN
Cindy Haglo	CINDY HAGLO	Thief River Falls, MN
Henry Haglo	HENRY HAGLO	Thief River Falls, MN
Gary Scorsky	GARY SCORSKY	Thief River Falls, MN

Petition

[illegible][illegible]

 PETITION

 We, Concerned Citizens, strongly oppose the location of the Over-
 The-Horizon-Backscatter Radar project in the Thief River Falls
 Study area

Signature	Name	Address
Mable Andresen	Mable Andresen	133 W. 1st St. Warden, MN 56762
Ralph Gage	Ralph Gage	1422 Jefferson Ave. S. Duluth, MN 55812
John G. Wray	John G. Wray	1422 Jefferson Ave. S. Duluth, MN 55812
John J. Nelson	John J. Nelson	1422 Jefferson Ave. S. Duluth, MN 55812
C. J. S. Herra-Parker	C. J. S. Herra-Parker	1422 Jefferson Ave. S. Duluth, MN 55812
Richard Bruggeman	Richard Bruggeman	1422 Jefferson Ave. S. Duluth, MN 55812
Clare Bruggeman	Clare Bruggeman	1422 Jefferson Ave. S. Duluth, MN 55812
Joe C. M. Herra	Joe C. M. Herra	1422 Jefferson Ave. S. Duluth, MN 55812
John Watson Jr.	John Watson Jr.	1422 Jefferson Ave. S. Duluth, MN 55812
John Watson Jr.	John Watson Jr.	1422 Jefferson Ave. S. Duluth, MN 55812
Henry Pank	Henry Pank	1422 Jefferson Ave. S. Duluth, MN 55812
Dean Holton	Dean Holton	1422 Jefferson Ave. S. Duluth, MN 55812
Gary Lane	Gary Lane	1422 Jefferson Ave. S. Duluth, MN 55812
Betty Hallan	Betty Hallan	1422 Jefferson Ave. S. Duluth, MN 55812
Floyd Hallan	Floyd Hallan	1422 Jefferson Ave. S. Duluth, MN 55812
Daniel Dyrda	Daniel Dyrda	1422 Jefferson Ave. S. Duluth, MN 55812

 PETITION

 We, Concerned Citizens, strongly oppose the location of the Over-
 The-Horizon-Backscatter Radar project in the Thief River Falls
 Study area

Signature	Name	Address
Martin Salseng Jr.	Martin Salseng Jr.	1422 Jefferson Ave. S. Duluth, MN 55812
Daryl Salseng	Daryl Salseng	1422 Jefferson Ave. S. Duluth, MN 55812
Gary Page	Gary Page	1422 Jefferson Ave. S. Duluth, MN 55812
Sherry Page	Sherry Page	1422 Jefferson Ave. S. Duluth, MN 55812
Louise Salseng	Louise Salseng	1422 Jefferson Ave. S. Duluth, MN 55812
Tammy Salseng	Tammy Salseng	1422 Jefferson Ave. S. Duluth, MN 55812
Eleanor G. Salseng	Eleanor G. Salseng	1422 Jefferson Ave. S. Duluth, MN 55812
Esther Salseng	Esther Salseng	1422 Jefferson Ave. S. Duluth, MN 55812
Myrtle Johnson	Myrtle Johnson	1422 Jefferson Ave. S. Duluth, MN 55812
Frank Johnson	Frank Johnson	1422 Jefferson Ave. S. Duluth, MN 55812
Orville Johnson	Orville Johnson	1422 Jefferson Ave. S. Duluth, MN 55812
Alvin Johnson	Alvin Johnson	1422 Jefferson Ave. S. Duluth, MN 55812
Don Johnson	Don Johnson	1422 Jefferson Ave. S. Duluth, MN 55812

Petition

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Beckscatter Nader Project in the Thief River Falls
Study area

• We, Concerned Citizens, strongly oppose the location of the Over-
• The-Horizon-Beckscatter Radar Project in the Thief River Falls
• Study area

[illegible][illegible]

* * We, Concerned Citizens, strongly oppose the location of the Over-
 * * the-Horizon Backscatter Radar Project in the Thief River Falls *
 * Study area *

Signature	Name	Address
Ben McKorcher	Ben McKorcher	St. H. Ave
Mary Ann Walter	Mary Ann Walter	1404 Birch St.
June Steiger	June Steiger	1404 Birch St.
Aggie Wetch	Aggie Wetch	215 E. 3rd St. TRE
Old Hegtvast	Old Hegtvast	" "
Roger Lease	Roger Lease	Wetish Hotel, Thies River Falls
Mary Ann Walter	Mary Ann Walter	109 N. Kendall Ave. Thies R.F.
Myrtle & Louanna	Myrtle & Louanna	Box 242, Thies R. Falls
June Steiger	JUNE STEIGER	1404 BIRCH AVE. TRE
Edmund S. Roswell	Edmund S. Roswell	Box 242 Thies River Falls
Eugene Hill	Eugene H. Hill	Wetish Hotel, Thies River Falls

Port 1 Extension

1. We, Concerned Citizens, strongly oppose the location of the Over-

2. The-Horizon-Backscatter Radar Project in the Thief River Falls

3. Study area

Signature	Name	Address
James Richard Young	James L. Young	P.O. Box 37, Young, Mo. 6500
William J. Anderson	Robert F. Asper	Rt. 1 Box 140, Tipton, Mo. 65061
Esther Swenson	Esther Swenson	Rt. 1 Box 125, T.R.E. Mo. 56101
Ernest Larson	ELROY JENSEN	Box 21, Viking, Minn. 55760
Alfred	Alvin Asper	Rt. 1 Box 140, Tipton, Mo. 65061
Levin	Kenneth Asper	Rt. 1, Box 34, T.R.E.
Alvin Nygaard	Alvin Nygaard	Rt. 1, Tipton, Mo.
Mrs. Harvey Gaskie	MRS. HARVEY GASKIE	Rt. 2, WARREN, Mo. 6512
Mrs. Harvey Gaskie	MRS. HARVEY GASKIE	Rt. 2, WARREN, Mo. 6512
Frank Amundson	Frank Amundson	Rt. 1, T.R.E., Tipton, Mo.

Position

We, Concerned Citizens, strongly oppose the location of the Uver-
The-Horizon-Backscatter Radar Project in the Thief River Falls
Study area

Signature	Name	Address
Cathy A. Saverson	Cathy A. Saverson	711 N. Dewey
Deborah L. Sweet	Deborah L. Sweet	Box 445, Huron
Debra J. Westlake	Debra Westlake	715 N. Dewey
Donna M. Lanning	Donna M. Lanning	Box 33, T.R.F.
Donna W. Lanning	Donna W. Lanning	Newfalden
Julie L. Lanning	Julie L. Lanning	703 N. State
Mary L. Lanning	Mary L. Lanning	Rt. 1, T.R.F.
Mary L. Lanning	Mary L. Lanning	Newfalden, Penn.

Petition

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar Project in the Thief River Falls
Study area.

1. We, Concerned Citizens, strongly oppose the location of the Over-

2. The-Horizon-Backscatter Nadar project in the Thief River Falls #

3. Study area #

Study area

[illegible]

Division

We, Concerned Citizens, strongly oppose the location of the Over-

The-Horizon-Backscatter Radar project in the Thief River Falls Study area.

** We, Concerned Citizens, strongly oppose the location of the Over-
 * The-Horizon-Backscatter Radar Project in the Thief River Falls *

The-Horizon-Backscatter Kadar Project in the Thief River Falls

[illegible]

P o s t e r

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar Project in the Thief River Falls
Study area.

Signature	Name	Address
Paul W. Johnson	PAUL JOHNSON	174 TRE MN
Elizabeth K. Kistler	ELIZABETH KISTLER	413 S Maryland TRE MN
Mary Schuchman	Mary Schuchman	413 S Maryland TRE MN
Dan Olson	DAN OLSON	174 TRE MN
Theresa Melvie	THERESA MELVIE	174 TRE MN
Theresa Melvie	THERESA MELVIE	174 TRE MN
Theresa Melvie	THERESA MELVIE	174 TRE MN

P o s i t i o n

We, Concerned Citizens, strongly oppose the location of the Over-
The-Horizon-Backscatter Radar project in the Thief River Falls
Study area.

Signature	Name	Address
Ellen Dahlen	ELLA DAHLEN	3435 Kings Fells
Betty Olson	Betty Olson	147 Kings Fells
Evelyn Swanson	STANISLAW	147 Kings Fells
Paul Heugenst	PAUL HEUGENST	147 Kings Fells
Janice Olson	JANICE OLSON	147 Kings Fells
Janice Olson	JANICE OLSON	147 Kings Fells
Lydene Gudomich	LYDENE GUDOMICH	147 Kings Fells

NOT A REPLY

- We, Concerned Citizens, strongly oppose the location of the Over-
- The-Horizon-Backscatter Radar project in the Thief River Falls
- Study area

[illegible]

REPORT

* We, Concerned Citizens, strongly oppose the location of the Over-
* The-Horizon-Backscatter Radar Project in the Thief River Falls *
* Study area *

[illegible]

Potition

• We, Concerned Citizens, strongly oppose the location of the Over-
• The-Horizon-Backscatter Radar Project in the Thief River Falls
• Study area

Signature _____

NON

Address

End Thirteenth St. 1. Street Twenty-First St.

Emmel Anne
Eugene Avers
BT THE RIVER FALLS

2000 Rud Carr v Rud Stez Warner, Pa

Earl R. Erickson Valuing Man

bare Fandulak Kipi Fandulak Pas Ter

စာအုပ်အမျိုးအမည်

સાચી

Address

Edith Rumber

Route # 21 F

Estuaries

Elita Stalborger; I RF mh 56211

Verily Yours,

Library: University of Illinois

Norma Swann

Norma Swanson Rt 5 Thief River Falls
MN 5616

Donald D. and Betty Lou Olson
Rural Route 1, Box 111
Thief River Falls, Minn
56701

October 23, 1986

G2

Dear Sirs;

For the record we wish to state that we are absolutely, positively opposed to the Over-the-Horizon Backscatter site proposed near Thief River Falls.

We do not wish to lose our home, we do not want to lose wildlife area, and we do not want a Backscatter radar site built. We believe this radar site is becoming obsolete even as we discuss it, and all that would be gained by building is a

total disruption of a way of life for those of us who live in the area

Donald D. Olson
Betty Lou D. Olson

4-434

I understand there is a flight pattern between Inner River Falls and Grand Forks. Is that true? If so how wide of a strip is used for this and how far from the reserve site does it have to be. Can this flight pattern be changed to suit the need and if not why is area included in the EIS.

In conclusion I feel this would completely change our way of life, and our local economy. What little benefit derived from employment will be off set by loss of our AC community including AB business which rely on the production from as many acres as possible.

Sincerely

Curtis and Marilyn Swanson
Route 5 Box B3
Trotter River Falls, Mn. 56701

4-435

3 Nov 76

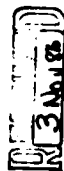
Mt. V. G. Brown
ESD-SCO
Hanscom Air Force Base, MA 01731

Dear Mt. Brown:

At a Special Meeting held in the Norden Town Hall, Pennington County, Minnesota, an unanimous vote was cast in opposition to the Over the Horizon Back Scatter Radar Project.

Norden Township
Floyd Hallan
Clerk

Route #1 Box 61



Attn: 5 Box 72
Thief River Falls, MN 56701
October 25, 1987

Lt. V. G. Brown
Huntscom AF, MA 01731-5000

G1, G2, G6, G8, G9

Dear Lt. V. G. Brown:

I am writing this letter in regard to the OTH-B radar project that would include a receive site near Thief River Falls. I feel that the residents of the townships and the city of Thief River Falls have not been informed enough about the project. I question the amount of information that the supporters of this project have had, as when the mayor and a commissioner were asked if they had read the Environmental Impact Statement, they said they had not. How can they support something of this magnitude without getting all of the information available on it? Why was Jobs Inc. involved in this project, and not the residents of the townships in the study area? It is our land that is involved and our way of life. Why didn't the Air Force have an Environmental Impact Statement sent to each household in the study area?

If my neighbor decides to sell or lease his land to the Air Force, how will that affect the value of my land?

On page 3-8 of the EIS, a sentence states that because the mission requirement would not be satisfied, the Air Force would continue to study the need for and methods to achieve the mission. Why the need to study it further? What is the need for this project?

On page 3-5, it states that exposure to RFR may or may not cause irreversible tissue damage. 3-6 states that most investigations involving chronic exposure of animals indicated that no effects occurred or the reversible, noncumulative behavioral or physiological effects took place for average power densities exceeding 1 mW/cm². The next sentence mentions irreversible adverse effects of exposure to lower power. It is for this reason that I oppose this project. I work with humans, not machines, and I believe if there is any danger to anyone due to RFR, this project should not be done, whether it be the transmit or receive site.

Another concern are the ESDs. I have been told by a telephone employee in the live area "a good sounding area". G40 states that all ESDs are limited electrically and are subject to accidental ignition from the following:

1. Lightning or other lightning protective systems normally exclude the inadvertent ignition of ESDs by direct lightning strikes. For me to have to fear that one may be ignited during a thunderstorm? We have a lot of thunderstorms in this area.

How many civilians would be employed during the construction and during the operation of this project? What type of security clearance will there be for permanent jobs for a receive site? Is the project likely to bring in a sufficient amount of income to the city of Thief River Falls? Is it likely that the people working at the receive site would live in Grand Forks instead of Thief River Falls, and commute in there for their 8-hour shifts?

How can the ESD and the G40 be compared? With the ESDs having only one of the four independent arrays that the G40 would have, and not operating for 24 hours a day, when the G40 could operate continuously, how can a comparison be made? The G40 only logged 900 hours of transmit time. What was the type of signal? If it is mainly forest land, wouldn't the effects on a farming community be different?

On page 3-22, it states that because the proposed action is the construction and operation of a large HF radar transmitter, the potentially affected environment extends far beyond the immediate study area, and at times might include almost any part of the world. Does this not mean that the danger can go beyond the exclusion fence, and that many people's lives may be affected?

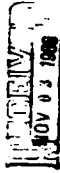
These are a few of my concerns regarding the OTH-B. I am glad that I had the opportunity to read the Environmental Impact Statement, even though there is so much that I could not understand. Most people have no idea of what this project is about. If the information had been delivered to each landowner or resident, we could have made a better decision of whether to support this project or not.

Thank you for letting me share my concerns with you.

Sincerely,

Arlene Jagol
Arlene Jagol

Al C D Brown
ESD - SCO
Hanscom Air Force Base, Me 01731



Sir:

I am writing in regard to the proposed Duck Pond area. Bad weather Radar Project that you want to set up - the Duck Pond area is in the area of the Duck Pond area and is in the proposed area west of the Duck Pond area and is very much opposed to such a project because of environmental and possible health reasons.

Thank you
Homer Anderson
Homer Anderson

October 29, 1986

Lt. V. G. Brown
ESD-SCO
Hanscom Air Force Base
Maine 01731

Dear Lt. Brown:

I recently attended a public meeting for the over the horizon backscatter radar system proposed for the Thief River Falls area. Since they asked us to respond to the Air Force, I am taking time to do this.

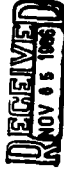
I have lived in the area for five years and am acquainted with some of the opponents and proponents of this system. I also think I have a good understanding of business and community affairs.

My assessment is that this area needs this OTH-B project for a number of good reasons. Selfishly, most of them would be economic ones. But I am a realist and pro-growth and see that the benefits to this project far out weigh the inconveniences.

The land you propose to use is not very productive farm land. I have hunted at Goose Lake refuge a number of times, near the site. The land has drainage problems which create difficulty for farmers during wet years. I would think that farmers in that area may look favorably at a chance to sell their land at a price not driven by effects of the farm economy. They could even take the money and relocate on more desirable land at today's depressed prices.

The additions to local employment would be welcome to a town who has been actively soliciting business to move here. Also, having fifty people move to the area creates new demands on area businesses, which will strengthen our local economy and tax base.

Anybody opposed to the receiver site, does so only for personal reasons. I also believe those who oppose the system are being mis-informed about potential health risks involved with high frequency radar.



(page 2)

In our public meeting, it was brought out that at the receiver site, the risk from radio waves would be insignificant compared to what levels we are being exposed to in everyday life. So I believe the health risk issue was disposed of.

It is my belief that this project offers a number of benefits to the Air Force as well. A willing work force, a town that welcomes business and terrain that would not create a lot of construction problems.

For many good reasons, I am for the OTH-R radar site to be located near Thief River Falls, Mn. I also believe that the majority of people, both in and out of the city are in support of this important project as well.

Sincerely,



Keith Hoverstad
1223 Edgewood Drive
Thief River Falls, Mn. 56701

4-438

Oct. 29, 1986

Dear Sir:

G4, G8



We are opposed to the Radar Receiver Site,

being located in our area.

We don't feel the health effects have been fully examined.

Also, when that land is turned over to the government, it will most likely be lost for good.

Mrs. & Mr. Martin's Son

M GIERDE
14095 NONA LANE
WHITTIER CA 90602 30AM

Western Mailgram®
Union

4-0316418303 10/30/86 ICS JPMRNCZ CSP BSUB
213698069 MCHB TORN WHITTIER-NC CA 157 10-30 0145P PST

LIEUT V.G. BROWN
CARE HEADQUARTERS ELECTRONIC SYS DVSN
OVER THE HORIZON BACKSCATTER SYSTEMS PROGRAM
OFFICE
HANSCOM AFB MA 01731-5000

RECEIVED
NOV 07 1986

G2, G3, G8

I STRONGLY OPPOSE THE THIEF RIVER FALLS LOCATION OF THE OTH-B RADAR PROJECT. THE AIR FORCE SHOULD BUILD FACILITIES ON ALREADY OWNED GOVERNMENT LAND, NOT ON A FARMLAND OWNED BY THIRD AND FOURTH GENERATION FARM FAMILIES. ALSO, IT IS WELL ACCEPTED THAT THE OTH-B'S DETECTION ABILITY IS QUESTIONABLE, PARTICULARLY IN COLD CLIMATES SIMILAR TO THAT OF THE BELOW 50 DEGREE MINNESOTA WINTER. ADDITIONALLY, THE 1983 GAO REPORT RECOMMENDS THE AIR FORCE REASSESS THIS SYSTEM IN LIGHT OF OTHER MORE SURVIVABLE AND COST-EFFECTIVE ALTERNATIVES. FINALLY, QUESTIONS ABOUT THE HEALTH EFFECTS OF RADAR HAVE NOT BEEN SATISFACTORILY ANSWERED. THE INTERNATIONAL UTILITY SYMPOSIUM HELD IN TORONTO CANADA SEPTEMBER 16-19, 1986 DECLARED CHRONIC EXPOSURE TO MAN MADE ELECTRO-MAGNETIC ENERGY TO BE A BIOLOGICAL STRESSOR WITH CLINICAL PUBLIC HEALTH CONSEQUENCES. EXPOSURE RESULTS IN ALTERATION OF METABOLISM OF ALL BODY SYSTEMS, INCLUDING NERVOUS ENDOCRINE CARDIOVASCULAR HEMATOLOGICAL, IMMUNE AND REPRODUCTIVE. WILL CONTACT ALL MY ELECTED REPRESENTATIVES AND INCLUDE ALL MEMBERS OF THE APPROPRIATION COMMITTEES.
MARY GIENDE RTE 1 ANGUS MN 56712

10150 EST

MCHCUMP

TO REPLY BY MAILGRAM MESSAGE. SEE REVERSE SIDE FOR POSITIONING LINKING'S FOR 1 FILE PHONE NUMBERS



JOBS INCORPORATED

NOV 14 1986

November 3, 1986

Colonel James A. Lee, Director
Over-The-Horizon Radar Systems
Headquarters Electronic Systems Division
Hanscom Air Force Base, MA 01731-5000

Dear Colonel Lee:

It is a very minor group opposed to the City Council's Reaffirmation, as it is the wishes of their constituents to continue to favor the OTH-B project.

The City of Warren and their County Commissioners have also polled their constituents and have arrived at the same results.

The names of the land owners who we supplied remains intact. No one has asked to have their name withdrawn.

Very truly yours,

JOBS INCORPORATED

T. E. Kerpille
Consultant

TEK:ct

Enclosures

P.O. BOX 288
THIEF RIVER FALLS,
MINNESOTA 56701
(218) 681-7287

Monday, Oct. 27, 1986

**A FREE PRESS
SERVES
A FREE PEOPLE**

EDITORIAL OPINION

Thought Provoking Comment On Subjects Of Public Interest

Backing Backscatter... One Person's View

Fervent opposition to locating a receiver site for the Over-the-Horizon Backscatter (OTH-B) radar system in the Thief River Falls area has generated discussion and brought up points of concern that we believe were important. It's good to have divergent views presented so that they can be weighed and studied and evaluated. That's America in action.

But our views have changed little since the U.S. air force first explained in *Thief River Falls* what it would like to do in this area as part of the national defense program. On the basis of access to available technology, knowledge of system success and familiarity with strategic needs of the nation, the Air Force would have to be considered the experts. We have to trust their judgment and we have to believe they are sincere in their assessment of need.

Evidence in the opposition to the system is a deep-seated distrust of government — especially the federal government — that is very disturbing. It is disturbing because the distrust is not entirely unwarranted, and our federal officials must look inwardly for the reasons those suspicions exist.

Although we recognize the concerns which those as close to the situation as having their own hands considered apparently share, we do not harbor the same fears that have been repeated in letters and comments over the past several weeks.

For instance, we don't believe there is enough electromagnetic energy nor radiation from the receiver site to pose any hazard to anything. It should be no more dangerous than the dish antennas seen in many rural yards, no more of a threat than lying in front of a color television set.

Given the state of the nation's agricultural situation, the concern about taking "prime farmland" out of production seems unwarranted for the individual whose farmland may be involved, the personal question is different. Should the nation find itself faced with a lack of farmland at some point in the future, the backscatter radar areas could again be available since the land would still be there.

Loss of tax revenue could be worth considering on a county or school district basis, but we feel individual townships which generally levy only a mill or two would probably stand to gain due to improvements or services the air force is likely to provide.

There could be some inconveniences due to re-routing of roads, but we see no problem with ditches or water courses. Even the federal government would be hard-pressed to defend itself for altering water courses and thereby causing hardship.

Associating the OTH-B site with the nuclear waste repository study is pure paranoia. Overlapping of areas is purely coincidental, and we have no doubt of that. It would very likely be much more difficult for one federal agency to acquire land from another federal agency than for either to acquire land from the general public.

It is good that concerns have been expressed and that they have been forwarded to the air force. It is good that meetings have been held and that the public has become informed and involved. It is too bad, however, if this is made out to be a city versus rural area issue, for it certainly should not be so.

This writer supports the project because it appears that the benefits will outweigh the disadvantages. A favorable balance is about all that can be asked in community development. Others choose to view the situation differently and that is their privilege; we have no quarrel with that. But until we are shown more than speculation on problems and motives, we will continue to back the backscatter radar program.

Gas rates in Thief River Falls and a new recommendation of approval for the Over the Horizon Backscatter (OTH-B) radar system were discussed at the Thief River Falls city council meeting Tuesday night.

Tony Rader of Thief River Falls appeared before the city council to inform the council that he had talked to the attorney general of Minnesota about the high automobile gas rates in Thief River Falls, and to also ask if he was aware that gas prices in Thief River Falls were higher than in area towns.

Rader reported that while the average gas price in Thief River Falls was 1 cent, the average gas price in surrounding communities, including Crookston, Red Lake Falls, East Grand Forks and also Moorhead, was below 90 cents. He said he was aware that different situations in those communities account for some of the differences, but not much of it.

Mayor Bob Carlson and several of the councilmen agreed that gas prices in Third River Falls were high. Mayor Carlson said that if Rader stopped 50 people on the street and asked them what they thought of the gas prices, "I would probably say they were high. But he said he did not think any

price fixing was going on. Mayor Carlson said he was on record as having criticized high gas prices. He said he had also talked with LeRoy Bugge and Bugge said he would open his books to the public so they could see his profit margin. Bugge said he had no objection to this.

Alderman Milan Borzheim said he would have to concur with Rader but said he believes his hands are tied when talking about free enterprise.

too would have to support Rader, because he has seen the price variations first hand. He also said people have pointed out to him that people outside the community do not shop here as much as they would because they feel gas prices are a reflection of retail prices generally.

The Thief River Falls city council unanimously approved a motion approving of the Over the Horizon Buckscatter (OTH-B) proposed radar site near Thief River Falls.

The local development corporation, Jacobs Incorporated, has actively solicited the siting of the U.S. Air Force's Over The Horizon Backscatter (OTH-B) Radar Receiver facility for Pennington county; and whereas, the Draft Environmental Statement and all other reliable information indicate that the OTH-B Receiver facility represents a threat to public health and will

DAC Staff Gives Its Comments On Group Suspension

Gas Rates And OTH-B Discussed By City Council

(Continued from Page 1)

October 28, 1986



NATIONAL HEADQUARTERS
720 DAVIS AVENUE
CORNING, IOWA 50841
315-222-3131

OTH-B
Lt. B.G. Brown, ESD/SC
Hanscom AFB, MA 01751

As members of the Minnesota National Farmers Organization (NFO) at our state convention took a stand in opposition to the OTH-B Radar System with the following resolution, which was passed and approved.

8. BE IT RESOLVED, that the Minnesota National Organization is opposed to using prime agricultural land for purposes other than agricultural production (i.e., Over The Horizon Back-Scatter Radar System, nuclear waste disposal sites, etc.) that would have unknown effects on life and land.

Please be sure that this is included in the final DEIS. Thank you.

MN NFO

C.C. Governor Rudy Pernich
Room 130
State Capitol
St. Paul, MN 55155

Commissioner of Agriculture
State of Minnesota
90 West Plat Blvd.
St Paul, MN 55107

An individual who had purchased land on a contract for deed or had a mortgage for more than the current "fair market value" could lose the land to the air force and still have to pay the difference to the seller or bank. Farmers, if they choose, may have to go through the courts to argue that their land was worth more than the "appraisal value" and then pay all legal fees if they lose the case.

I also spoke with Bill Clausen, the director of the High Level Radioactive Waste Program for the Governor's Nuclear Waste Council. He stated that the Department of Energy is presently conducting tests with Canada on underground nuclear waste storage near Winthrop. The siting process which covered the area is presently being challenged. It could be reconstituted at any time.

I also had an opportunity to speak to a representative of the General Accounting Office last week. This agency

evaluates the cost to benefit ratio of various projects at the request of Congress and makes recommendations on whether they should be carried out. This individual told me that in 1983 the GAO recommended that the plans for the entire OTH-B radar project be reconsidered. (I have a copy of a summary of this report for anyone who is interested in reading it.)

On June 9, 1986, another report was issued at the request of Congress (GAO/CRS 86-118) which recommended that funding for the east and west coast radars be limited to the present levels and that the Central Radar System (for our area) should not be funded at all.

Congress has not yet appropriated the money for this radar project. Even though the public comment period for the Air Force will end this Friday (Oct 31), citizens may still write to senators and congressmen to ask that they not fund a project which has been determined to be unnecessary. If the Department of Defense succeeds in obtaining Congressional support and purchases the land, should the project then be found to be unnecessary for National Defense, what will be done with the land at that point?

If this project is located here, we will be exchanging agricultural in come that is presently being spent on area businesses for the possibility of an unknown number of jobs for the local labor pool. We will be allowing a general devaluation of surrounding land and residential property in favor of an entity which pays no taxes. I feel that this trade-off is unacceptable.

It is especially sad that this issue has split the rural and city governments' interests. Some of the townships have passed resolutions opposing the project. Petitions circulating the past month have accumulated over 500 signatures against locating the radar site here. It would be nice if the city and rural areas could do a better job of considering each other's concerns.

Donovan Dyrdal

Letters to the Editor

(Editor's Note: The following letter to the editor contains further information on the OTH-B radar system proposed for location in the Thief River Falls area. It is being published under a headline to increase public attention to the content and with approval of the writer.)

To The Editor:
During the past two months I have taken an interest in the proposed Over-The-Horizon Backscatter Radar site near Thief River Falls. When I first received information about this project, I had a number of concerns and questions about how it might affect our farm and our community. I became especially concerned because local residents felt that these questions had not been adequately answered by the Air Force.

Since September 8, when I attended a public hearing on the OTH-B radar project, I have spoken to many area residents in both formal and informal settings. Most of the townships in the "study area" have had meetings to review any information we could gather.

The latest of these meetings was held on October 25 at the city auditorium in Thief River Falls. I had been told by many people in the area that they felt they had only been given a limited amount of information by those favoring the project and they felt that the potential negative effects had been downplayed. Because of this, I decided to call a meeting in Thief River Falls to present this side of the issue.

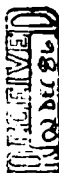
With this in mind, I spent a great deal of time and resources researching the issues to provide knowledgeable speakers, handouts and for the rental of the auditorium. I am sad to say that some of the speakers were insulted and harassed by persons that should have been above resorting to such childish tactics. I would like to extend my profound appreciation to the speakers for giving their time and energy to addressing our local concerns.

There are many issues that have not been adequately addressed. I have contacted the Army Corp of Engineers to ask about the methods used for land acquisition. We all know that "fair market value" of the local land is much lower today than it was a few years ago. The director of land acquisition at the Omaha office indicated that, for any land to be acquired through eminent domain, the amount paid for the land and perhaps still owed on it would probably not be considered in the appraisal process.

2412 University Avenue S.E. Minneapolis, Minnesota 55414
Phone (612) 376-7556

G1, G2, G4, G6, G8 November 26, 1986

Radioactive Waste Project



Lt. V.G. Brown
ESD/SCO
Hanscom Air Force Base, MA.
01731

RE: Comments on the DEIS for the Over-the-Horizon Backscatter Central Radar System

Dear Lt. Brown:

I am submitting these comments on behalf of the Minnesota Public Interest Research Group (MPIRG) as well as the Radioactive Waste Project. MPIRG is a state-wide organization with approximately 18,000 members on nine college campuses throughout Minnesota. We are a consumer advocacy and environmental protection organization which has been in existence since 1971. I am an attorney practicing in the areas of environmental and public interest law for seven years.

MPIRG is concerned about the environmental and public policy impacts of the proposed OTH-Backscatter radar system. The draft EIS fails to fully address the need for the proposed system in light of a General Accounting Office (GAO) report dated June 1986 which recommends that the central radar project not be funded by the Congress. (See, GAO/C-IMTEC-86-1). It appears the proposed project is little more than a boondoggle and waste of taxpayer money. Further, new aerospace technology appears to make the project obsolete before construction has even begun. I am referring to the "stealth" aircraft which can fly lower than the detection system.

Moreover, we are especially concerned that the proposed sites in Minnesota, in particular the Thief River Falls site, overlaps significantly with the proposed high level radioactive waste sites identified by the federal Department of Energy in January 1986. What guarantee do the people and state of Minnesota have that these lands will not be used by the DOE for the disposal of high level nuclear waste? Given the fact that the GAO has recommended that the central radar project be scrapped by Congress, your continuing to pursue the project looks very much like a subterfuge for acquiring the land for the DOE.

In addition, we are concerned that the DEIS fails to address the public policy questions which are raised when productive farmland, some of the best and richest farmland in the world, may be taken out of production for an obsolete radar system. While the DEIS states that a minimum of 2400 acres will be needed, it does not state what the maximum number of acres will be. Nor the report adequately addresses the impacts on the local community from taking this land off the tax rolls. The loss of productive farmland has a multiplier effect throughout the state economy, the DEIS fails to discuss this.

Further, there is insufficient data on the health effects associated

page 2
November 26, 1986
Comments DEIS, OTH-Backscatter

with long term exposure to non-ionizing radiation. There is absolutely no justification for risking the health and safety of rural Minnesotans and taking rich farmland out of production for a system that isn't needed. Scientists are just beginning to understand the effects of microwave radiation, until more studies have been done and more information is known, innocent citizens should not be guinea pigs for the United States Air Force.

Finally, we would like to adopt and incorporate by reference the attached comments submitted by the Minnesota Pollution Control Agency. We agree with the MPCA that the Draft EIS does not adequately address the impacts of the proposed system on surface waters in the area nor does it adequately address the health and safety issues.

Having spoken with people who attended the first hearing on the DEIS I am appalled by the attitude of air force personnel towards concerned citizens who are trying to find out information and participate in a democratic process. The purpose of an environmental impact statement is to give policymakers a document which examines alternatives to a proposed action and looks at mitigation measures. Citizens from an affected area, who know the land, are in the best position to give feedback on alternatives and mitigation. By dominating half the meeting talking about the proposed system and then cutting off people who want to speak and have waited patiently to do so, the air force exhibits a callous disregard for citizen participation and citizen involvement in the democratic process. If you felt time was needed to explain your project, the appropriate thing to do is to hold a public information meeting. Once citizens have shown up for a meeting, it is rude to stop the proceeding before all who wish to speak have spoken. Even the DOE did a better job than you in soliciting public comments.

In summary, we believe the DEIS has failed to address the need for the proposed action, the economic and policy issues of taking a minimum of 2400 acres of rich farmland out of production, the impacts of the project on surface water, and the health effects of long term exposure to microwave radiation. Further, in conducting the public hearings on the DEIS the Air Force violated the spirit, as well as the intent, of the National Environmental Policy Act.

Thank you for the opportunity to comment on the DEIS. I look forward to your response to these and other comments.

Very truly yours,

Barbara J. Johnson, attorney
Project Director

Note: The enclosed agency comments are not reproduced here; the original letter can be found in Section 4.2.1.



Nelson Implement, Inc.

Box F - Highway 59 North
Thief River Falls, Minnesota 56701 Phone: 218/681-1997



Mr. V. G. Brown
Hanson A.F.P.
Hanson, Mass. 01731

December 2, 1935

G6

Dear Sir,

As an implement dealer in the Thief River Falls area, we question the OTB-B radar project in terms of being an economic trade-off for the MRP area.

The agri-businesses in the Thief River Falls area will more than likely be adversely affected. Agri-businesses in this area do not need additional negative impacts. The loss of 2,400 to 4,000 acres permanently removed from production is considerable but there could be even further erosion in the ag community because farms surrounding the actual radar sites will be further burdened with land devaluation and higher operating costs. If land is further devalued, it may well undermine the loan portfolios of otherwise profitable farming operations.

A chain reaction effect may occur if this scenario happens in terms of agri-businesses laying off employees or closing the doors permanently, which in turn will further impact on existing non-ag businesses in Thief River Falls.

We have heard the argument that the Conservation Reserve Program will remove more land than the OTB-B radar system; however, there are some differences that should be noted:

1. The CRP is a federal policy that has been passed and funded with land throughout the nation being retired versus the Central OTB-B is federal policy that has yet to be funded and the land removed from production is much more localized.
2. Land in the CRP, like the previous Soil Bank Program, could be brought back into production as the future demands, while the OTB-B sites would be a permanent removal from production.
3. CRP land will remain on the tax rolls, while OTB-B sites will be removed from the tax rolls.
4. The CRP should help stabilize land prices and many farms financially, while the OTB-B may well destabilize land prices causing devaluation of lands surrounding the site and causing many farms financial problems.

RECEIVED
DEC 22 1935

Red Lake Falls, MN
November 22, 1966

HQ Electronics Systems Division/SCD
OTB-B Systems Program Office
Attn: Lt. V.G. Brown
Hanson AFB, MA 01731-5000

Dear Sir:

We attended a meeting November 20th at Thief River Falls, MN in regard to the OTB-B radar project by the Air Force for this area with Col. Lee representing. This meeting was very nicely handled, with all who desired to present questions and comments being given every consideration.

Since we have attended a number of these meetings plus those held by the opposition groups, one salient fact kept emerging. The opposition is successfully misleading many people, especially where the pocketbook is concerned.

As senior citizens, we vividly recall Pearl Harbor, and dread the prospect of something like that and worse happening again, particularly now that so much expertise and ability to prevent any kind of enemy attack is available. No defense is of any use unless it is complete. We cannot leave a large section of the country without the OTB-B radar coverage, nor can we wait until this system is needed and then expect it to be built in time to be of any use. We need it NOW, and if something better comes along in a few years, it will still have served its purpose.

We are writing to our Congressmen urging their support for the Air Force efforts on the OTB-B project for the Thief River Falls area, and expressed our concern that you not be dissuaded by the opposition you have encountered at meetings and written comments. At present they represent a far more serious danger than the actual enemy because their apathy and self-concern allows no room for the need for the protection you can provide. Where does that leave the rest of us?

We personally have been in favor of the OTB-B radar project since we first learned of it at a meeting in August, as well as that of the Star Wars, and again, please don't be discouraged. You are needed!

Respectfully yours,

Mr. & Mrs. Irving Brodson



Nelson Implement, Inc.
Box F -- Highway 59 North
Thief River Falls, Minnesota 56701 Phone: 218/681-1997



5. The CRP nationwide hopefully will reduce surplus production and result in higher commodity prices, while the OT - B would have little or no effect on production or commodity prices.

In closing, I would hope that the Air Force reconsider its choice of Thief River Falls as a proposed OTM-B Radar site.

Sincerely,

Joel Nelson
Nelson Im. Inc

4-444

Route 1 Box 216A
Thief River Falls, MN 56701
December 5, 1986

RECEIVED

HO Electronic Systems Division
C-M-H Systems Program Office
Hanscom AFB, MA 01751-5000

Attn: Lt. V.G. Brown

Dear Lt. Brown:

For the past several months, I have been expressing concern about the Air Force's consideration of the Thief River Falls site for the location of the Lentra, Over-the-Horizon Backscatter radar system. I feel that there are a number of ways in which this facility would have a negative impact on our community. I hope that you will consider this in your selection process.

1) I found that the draft environmental impact statement presents insufficient information regarding the changes in drainage and erosion control. A great deal of further study would be necessary to determine a safe way to construct the facility with 20 miles of exclusion fence that may very well act as a huge snow fence. The soils in this area are fragile and leveling and grading an area of this size could easily result in a serious problem in erosion prevention. On our land, in Bray Township, Hennepin County, there is a 35' drop per mile in the lay of the land. A rapid snow melt or heavy rains could result in severe water erosion or unprotected topsoil, in turn slitting in or waterways which could cause flooding downstream. A project of this size will require the use of flat land with most of these above mentioned characteristics. The removal of wetlands would also harm the local environment because they play an important part of the water retention area and assist in erosion control.

2) The location of the radar system will necessitate the removal of roads. This would cause the rerouting of school buses for families that live on the other side of the radar system. Also a farmer who lives on one side of the facility and farms land on the other will be faced with increased costs for transportation of farm equipment and loss of time. This loss of time and efficiency during these critical times can make the difference between profit and loss. The same thing may be said for the restriction on working for a farmer who needs to repair machinery for the state, about a farmer on their own working in the field and in farm shops, and having this restriction is unproductive and unfair. The fields in this area have a large amount of rocks which will necessitate frequent repairs which often require heavy city high drainage equipment. Even though the

G3, G4, G5, G7, G9

14075 Nona Lane
Whittier, California 90602
December 2, 1986

Department of the Air Force
Headquarters Electronic Systems Division (AFSO)
Hanscom Air Force Base, Massachusetts 01751

December 5, 1986
page 2

Industrial welding shops may be located on the fringe of the Thief River Falls study area, I wonder if the farm shops which do regular maintenance on equipment which is often equivalent to construction grade machinery have been taken into consideration.

3) The Federal Farmland Protection Act was designed to maintain the agricultural output of the United States. Although it does not apply to matters of national security, I strongly feel that it should be considered because of the impact on the agricultural community. The removal of productive agricultural land on a permanent basis should not be taken lightly.

4) I am also concerned about the procedures for land acquisition. Amounts that may be considered "fair market value" today may in fact be less than the money owed on land purchased a few years ago at three times the current value. Land taken through eminent domain may result in farmers being displaced with a substantial debt that the price offered by the Air Force would not cover. While choosing to lease land for the project may provide some long term security, the projected increases in the rates for property taxes provides a disincentive and we are left with no real choices at all.

5) I am concerned that the use of the land would change to storage of nuclear wastes after the radar project is decommissioned. The majority of the sites selected for nuclear waste storage have been on previously owned federal land. Even though an additional environmental impact statement would be required, it appears to be easier to transfer land use in this way than to acquire new land from the private sector. For this reason, I am strongly opposed to federal ownership of local agricultural land for this purpose.

I hope the Air Force will take some of these concerns into consideration when making the decision for the location of this project, if indeed this project is determined necessary for national defense which in itself seems very controversial according to at least two U.S. reports that I am aware of. Also this area has a great deal of both large and small wildlife which would be greatly affected. I would like to repeat that a substantial amount of additional study is necessary to alleviate these problems.

Sincerely,



Donavan D. Dwyrdal

G4

Attention: James A. Lee, Director, OTH-B Radar Systems.

Dear Colonel Lee:

I strongly oppose the location of the OTH-B radar project in the Thief River Falls area. I am convinced the entrance of the Air Force into this region will be a disaster for both land and people here.

It's known that over 90% of high-level nuclear waste and over one-half of low-level nuclear waste is generated by the military complex. The waste must be stored somewhere--and stored, apparently without regard for consequences. And there have been known and alarming consequences. According to a 1984 GAO investigation, for example, there are monumental problems with not only nuclear but also chemical military waste. Every known radioactive site (Hanford, Washington; Savannah River and Barnwell, S.C.; Idaho Falls, Idaho; Oak Ridge, Tenn.; West Valley, N.Y.; Bessy, Nev.; and Maxey Flats, Ky.) is known to be badly contaminated. As a matter of fact, I'm told by people living near Hanford that even the coyote population there is sick and deformed--and those animals are survivors!

The particular difficulty with military radioactive waste is the loopholes in accountability. In spite of EPA and NRC regulations, the military complex and the Department of Energy have the right to REGULATE THEIR OWN FACILITIES. Our Federal Courts have affirmed that right of self-regulation for even the most dangerous radioactive waste. At the Hanford plant, for example, high-level waste is left in storage tanks--contrary to public law--even in cases where the tanks have failed and the waste cannot be removed. Drinking water has been thoroughly contaminated at Hanford, at Idaho Falls, and over the almost entire length of the Tennessee aquifer running from the military-controlled Savannah River Plant (S.C.) through parts of North Carolina, Georgia, and Alabama. At the Oak Ridge, Tenn. plant, 2.4 million pounds of mercury and 4.7 million gallons of military-generated chemical waste leaked into the environment, leaking from disposal ponds into the groundwater. But the most serious loophole is the legal O.K. given to the military to release low concentrations of LARGE AMOUNTS of both, radioactive waste and/or chemical liquid waste into the environment. Both the plutonium soil contamination at Hanford, and the mercury and chemical waste at Oak Ridge is the result of this practice, a practice so standard with the military that NO WASTE INVENTORIES are kept!

It's also well known that the military complex refuses to accept responsibility. We've heard about the irresponsible release of poison nerve gas in Utah which killed sheep and cattle and caused widespread cancer among the area population. It was only after 30 years of litigation that the military was forced, finally, to admit their duplicity and compensate the people there, those who were still alive, that is.

04 DEC 86

Colonel James A. Lee, Director, OTH-B radar systems
December 2, 1946
page 2.

So, within a security-guarded, well-off military facility, a facility with legal carte-blanc, who can really know what happens inside.

This Northwest section of Minnesota is water. Our farms are not only crisscrossed by hundreds of aquifers flowing in almost every direction, but we are, in addition, a water-shed, flood plain region. We are also close to the Red River flowing North into Canada. All Red River tributaries flood out every Spring; and eventually drain back into their Red River source. And it rains in Minnesota. Gains and rains. Should our area become contaminated not only we but also our Canadian neighbors would become unhappy--we still have that 1906 boundary treaty. For both of us, groundwater contamination will make well water poisoned and unrinkable, crops poisoned and useless, cattle and land poisoned and destroyed.

No one says the Air Force OTH-B radar system facility will immediately use our area for a dumping ground. However, as locations for military dumps become more and more scarce, enclosed military facilities must become more and more tempting. After all, except for sudden deaths of wild and domestic animals, and, perhaps, a slowly dying population, who will ever know what's behind security walls.

Sincerely,

Harry G. Ginder

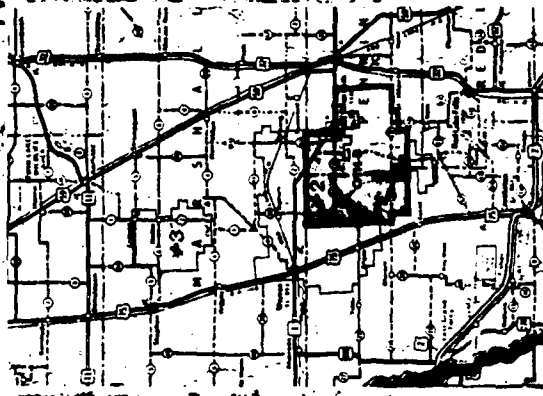
Harry G. Ginder
Route 11
Ancker, Minn 56712

Reference: Lewless, William, Bulletin of the Atomic Scientists, November, 1945

Monday, October 13, 1986

324 Main Avenue North, Thief River Falls, MN 56701 Twenty-five cents

Opponents To OTH-B Site Near TRF Gain Strength



Thief River Falls, Minn. (UPI) — A proposed OTH-B radar site near Thief River Falls, Minn., has gained the support of local residents and officials who fear the site could cause environmental damage and disrupt the local economy.

The OTH-B radar site is a proposed 100-acre facility that would be used for long-range radar. The site is located near the town of Thief River Falls, which is a major center for the timber and paper industries in the area.

Local residents and officials are concerned that the site could cause environmental damage, including the loss of wildlife and the disruption of the local economy. They also fear that the site could cause a loss of jobs and a decline in property values.

The OTH-B radar site is a proposed 100-acre facility that would be used for long-range radar. The site is located near the town of Thief River Falls, which is a major center for the timber and paper industries in the area.

THE OTH-B radar site is a proposed 100-acre facility that would be used for long-range radar. The site is located near the town of Thief River Falls, which is a major center for the timber and paper industries in the area.

*Don't let the OTH-B site
be built here. The only place
for a radar site is in the
state of Minnesota. Don't let
this site be built here. It
will cause a loss of jobs and
a decline in property values.
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be built here. It will cause
a loss of jobs and a decline
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values. Don't let the OTH-B
site be built here. It will
cause a loss of jobs and a
decline in property values.*

(Continued on Page 11)

Route 1, Box 161
Thief River Falls, Minn. 56701
December 3, 1986

RECEIVED
NOV 10 1986

Lt. V. G. Brown
ESD-3CO
Husco Air Force Base MA 01731

G4, G8

Dear Sir:

I am writing in opposition to the OTHB Radar system being located west of Thief River Falls for all the reasons given at your hearing in Thief River Falls on November 20, along with these comments.

Despite many advances in technology, farmers still have a constant battle against weather, weeds, insects, disease and prices. Now we have an added threat in the form of the OTHB Radar System.

I cannot believe that the Air Force has to take agricultural land to site this system. Let us never forget that the cultivation of the earth is the most important labor of man. As was mentioned at the hearing, many of us have farms having been in the family from 25 to 100 years. The inherent nature of farm life draws family members close to each other, as well as the land. Each farm family has its own unique heritage and sacred traditions as generation succeeds generation in wrestling a living from the land. IT IS A SPECIAL PLACE - A SPECIAL LIFE. William Cooper once said, God made the country and man made the town.

You state that after this OTHB Radar system has been decommissioned that the Government would use it for whatever the need be. Now if the need be a nuclear waste dump site - what then? I know you state it would have to go thru another environmental impact study. We have already partially gone thru this. It has only been put on the back burner - for whatever reasons, political it would seem. So going through another study is of little consolation. People out here do not have much trust in anyone. City officials, county officials and elected representatives have let us down - except Bernie Linder, State Rep. of Dist 2A, whose letter was read at the hearing asking you to remove the Thief River Falls site from consideration for the OTHB. The credibility of our government is questioned at the highest level in our land and is the main topic of TV stations, radio stations and newspapers. This brings to mind the reason Bernie Kalb resigned also.

I want to thank Col. Lee and the Air Force for the excellent manner in conducting the meeting in Thief River Falls. He was very fair to the opposition, and I trust you will do the same with these letters you are receiving in opposition.

I would like to comment on the health issue before I close. Your specialists failed to appear my concerns, and I have my share of health problems. Your people say what you want them to say. The experts contacted by the opposition say you have not proven it safe. Now there is a syllabus from your company that supports the opposition. When the true health effects surface - and you can be sure they will - it is usually too late. My main concern is for my children and grandchildren.

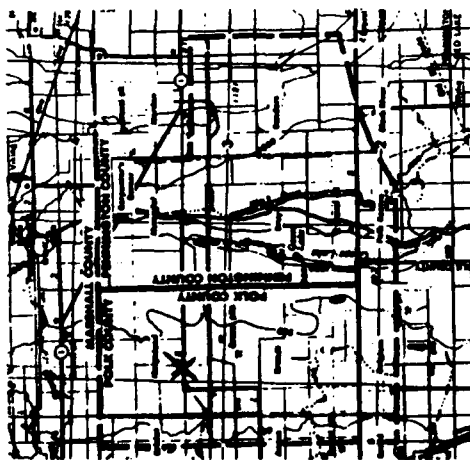
Thanking you for your time, I am

Respectfully yours,

Beverly Luoma
Beverly Luoma

Opponents Of
OTH-B Site Gain
Area Support

Continued from Page 12



OTH-B site is located west of Thief River Falls, Minn. The site is located on a 100-acre tract of land owned by the Air Force. The site is located on a 100-acre tract of land owned by the Air Force.

The OTH-B site is located west of Thief River Falls, Minn. The site is located on a 100-acre tract of land owned by the Air Force. The site is located on a 100-acre tract of land owned by the Air Force.

The OTH-B site is located west of Thief River Falls, Minn. The site is located on a 100-acre tract of land owned by the Air Force. The site is located on a 100-acre tract of land owned by the Air Force.

December 3rd, 1966

To whom it may concern,

I am opposed to the OTH backscatter for the Thief River Falls area because as an implement salesman it would reduce me area of selling farm equipment. Thank you for your time.

Sincerely,

Harold O. Aker

Harold O. Aker

Thief River Falls, MN 56701

RECEIVED
NOV 29 1966

As residents of Pennington Co. whether you live in town or country, we should be proud to live here. We should be proud to be able to say where we are from where ever we go. But in that light we must experience a mutual concern as residents. We should all be met with respect, aware of the services we each can give each other and enjoy.

We feel all Pennington Co. residents can be renewed by what we already have. We may be unique with abundant wildlife such as deer, moose, brush wolves, sightings of bald eagle, trapping animals, wild berries, at least types of slipper flowers, sand cranes and nesting areas, some covers of birds and more. You have an opportunity to teach your children of the excitement that can still be traveled partly, drive across the shores of Lake Agassiz, limestones that have shell imprints and water markings.

We feel we should guard some of these quiet joys that can renew anyone and is right in our midst. Are they in jeopardy?

The earth is a gift to be received with joy. Let us celebrate the Earth, the garden, the gift of land. Let us be responsible for tending and caring for the land.

Some sobering thoughts, Military expenditures draw off more public funds than any other function of government. The average U. S. citizen can expect to give up three or four years of income to the arms race. Military expenditures have gone beyond effective criticism and control. Far more than half the budget of the U.S. is related to wars-past, present and future. The money spent on arms every two weeks could provide adequate food and water (plus education and health) for everyone in the world for one year. All military expense is meant, of course to provide security directly or indirectly. Critics from both secular and religious bases reject out of hand the notion that high military spending promotes security., and they put the blame for today's insecurity squarely on overspending for arms.

Most critics do not argue against having defense policies. They are arguing against excess and overdependence on arms. Our survival depends not only on

military balance, but on global cooperation to ensure a sustainable biological environment, and sustainable prosperity based on equitably shared resources.

A quote from Dwight Eisenhower, Every gun that is made, every warship launched, every rocket fired signifies in the final sense, a theft from those who hunger and are not fed.

Employment- manufacturing weapons can cause unemployment and inflation. Dollar for dollar, spending in the civilian economy creates more jobs and produces goods and services which put money back into the economy.

Residents of Pennington County, are you concerned about some of these thoughts? Do you want to be a part in doing something about it? You have to live with yourselves, look in the mirror, does it make you feel good?

4-449

Thank you, Lorna Scholten

14075 Stone Lane
Whittier, California 90602
November 12, 1986

Route #1
Angus, Minnesota 56712

Department of the Air Force
Headquarters Electronic Systems Division (AESD)
Wencom Air Force Base, Massachusetts 01751
5 Dec 86

Attention: James A. Lee, Director CMH Radar Systems
G2, G3, G6, G8

Dear Colonel Lee:

I strongly oppose the location of the CMH radar project in the "King River" calls area, and I oppose this location site for basically five major reasons:

- loss of good agricultural land and the uprooting of many farm families
- the proposed facility can so easily be sited on nearby Federal land
- the DAO report on superior alternative surveillance systems
- problematic detection security in Minnesota's climate
- human health effects

According to the Environmental Impact Report a plot of land for the proposed site would total at least 2,400 acres--thereby displacing a large number of farm families, many third and fourth generation farmers whose families have been on their land for over 100 years. Our grandfather, for example, homesteaded our land and built the house we still live in, in 1900. Construction here, in this location, would not only uproot us directly but will also uproot many other additional families. And construction here will also, over the long run, because of this displacement eventually permanently close down our schools and churches, disrupt the nearby town's economy, when lacking consumer business, banks and markets close, and finally implement our dear relationships leave, until the entire community dies. It's difficult for non-rural people to understand the importance of the unbellicose-cord-relation-ship between the farmer and the economics of his city. There is a symbiotic co-existence. The farmer needs the businesses of his town but also, without the farmer and his business the town dies. This multiplies. When a town like the neighbor in city begins to deteriorate until eventually the State economy stagnates and declines. We are all dependent and interdependent upon one another.

Due to the farm foreclosures of the past two years almost 1/3rd of the small, family-owned farm is gone. It would be tragic if more of us are displaced and driven from our land without good reason.

CC: Lt Brown

Colonel James A. Lee, Director OTH-B
November 12, 1966
page 2

The said "act" is that the proposed construction and operation of this central OTH-B Radar system can so easily be sited on nearby land already in federal control, especially as there are additional reasons to project-site elsewhere. According to a CFI fact sheet:

The OTH-B's ability to detect cruise missiles remains somewhat problematic. Detection is most effective at high frequencies, but these frequencies can't always be used. In cooler conditions--at night or in winter--the ionosphere becomes too thin to reflect the transmitted signals. The OTH-B must then operate at lower frequencies, making the detection of cruise missiles more difficult and less certain.

Missesets not only has a long winter cycle but has also a more or less normal below 50 F. temperature--a year round climate which makes OTH-B accuracy questionable.

In addition, in a 1965 report the JAO recommended that the Air Force reassess the need to acquire the OTH-B system, that other alternatives were not only more survivable but also more cost-effective. The JAO was also critical of the Air Force's decision to begin production of the radar before development was completed. Still, THE AIR FORCE PROCEEDED WITH THE PROGRAM AS PLANNED.

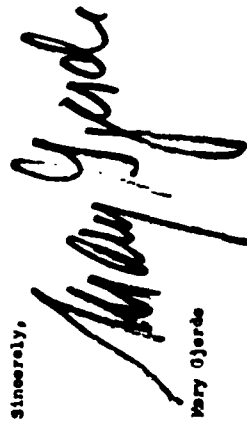
Finally, there are decided unknowns in the human health effects of electromagnetic fields. According to Dr. Andrew A. Marino (associate professor, department of Orthopedic Surgery, Louisiana University School of Medicine) in a recent paper given--along with the many additional papers presented--at the International Utility Symposium in Toronto on September 14-19, 1966:

Exposure to electro-magnetic fields can result in alteration of the metabolism of all body systems, including the nervous (system), the endocrine, cardiovascular, hematological, immune and the reproductive systems.

Dr. Marino claims also that electromagnetic energy is a biological stressor and as with any stressor it will lead to disease. This, he states, has been shown in many, appropriately-controlled studies.

As concerned, and now apparently endangered species, our farmers object to this wholesale slaughter of our land. There are already too many dead Main Streets and too many once-productive, now foreclosed farmlands. Farming is not only a way of life for the farm family; it is a necessity for the health--and survival--of our nation. Surely some consideration should be given to those of us who love the land and want it to remain productive--and preserved.

Sincerely,


Mary Gjerde

Col. James E. Lee
ESD/SCD
Hanscom Air Force Base
Massachusetts 01731

Attached is resolution passed by the Wadena County Board of Commissioners, etc.

Commissioner Lorentz offered the following resolution and moved for its adoption:

RESOLUTION

WHEREAS, the U. S. Air Force is seeking a site for the Over the Horizon Backscatter Radar System in Minnesota; and,

WHEREAS, the U. S. Air Force has encountered considerable opposition to the proposal of locating the system in the Red River Valley; and,

WHEREAS, the Wadena County area and the U. S. Air Force had an excellent relationship at the previous radar base in this area during 1950 to 1970; and,

WHEREAS, Wadena County has land available that would be satisfactory for use by the U. S. Air Force Radar System; and,

WHEREAS, there would be a considerable savings to the U. S. Air Force in cost of acreage purchased compared to the rich Red River Valley land.

NOW, THEREFORE BE IT RESOLVED that the Wadena County Board of Commissioners invites the U. S. Air Force to visit our area and to consider installing the Backscatter Radar System in or near Wadena County, Minnesota

Motion was seconded by Commissioner Freer and carried unanimously.

Adopted at Wadena, Minnesota this 6th day of January, 1987.

ATTEST:

Robert Fort
Robert Fort, County Auditor

Dale Paulsen
Dale Paulsen, Chairman

G1, G4, G5, G6, G7

Tuesday, March 12
Rice, Bess 1981
T. R. F. m. g.
36101

Mr Edward Airidge,

I am writing in regards to the proposed OTH-B radar system in Minnesota. I live on the area involved in the receiver site. I am very angry and disappointed in the Air Force, in city (IRF) and a local group (Jobs, Inc) for the way their name has been handled, right from the start. We (those living in the area) were not notified by anyone until 3 wks before the deadline for comments. Needless to say, at this time I yearn for farmers, this is nothing but a force!
I am very much opposed to the system receiver and transmitter!

There are also some questions that I would like to have answered. No one that has been contacted by the Air Force (that I have talked to) has these answers - so I would like them from you.

- 1) Exactly how would the tax shift be handled? Who would assume the added taxes? Would farmers be taxed? Would A.F. do any?
- 2) How many roads & ditches would be disturbed?
- 3) Will the A.F. reimburse farmers, school bus, etc. for added distance going around sites?
- 4) Surrounding land values will be lowered - will the A.F. compensate these farmers (land owners)?
- 5) Will there be any hunting restrictions? If so, what distance from the site?
- 6) Will the Air Force guarantee (in writing) that this site will never be used for a nuclear waste disposal (high level) or be replaced by an Extreme low frequency radar system?
- 7) Will wetlands be replaced? If so, where?

ed.

A2.

3) Will the Air Force guarantee that this project will not be suspended, with more land being sought?

4) Will the Air Force lease the land? What type of contract will there be?

5) If the land is bought, how much will the Air Force pay landowners for their property?

6) Will the Air Force pay landowners what they paid for the land? If not, what happens to the mortgage farmers still owe?

7) Why weren't township officers notified of this proposal when it was first mentioned?

8) Exactly how many jobs will be taken from the T.O. Falls labor pool? In writing please!

9) Why was the only public hearing scheduled on primary election evening 9/19/60?

10) Why won't the Russians (and I believe Swedes) allow this airport to be placed in an uninhabited area. (This information was broadcasted recently on a Fargo radio station)

11) What is the Air Force's response to Dr. Deane Dahlberg's (Gardner City) 17pg report of this project?

I would like detailed answers to the above questions. I also want the answers "on the record."

Sincerely,
George Munkit
Rt. 1 Box 151
T.R.F. mn. 56701